

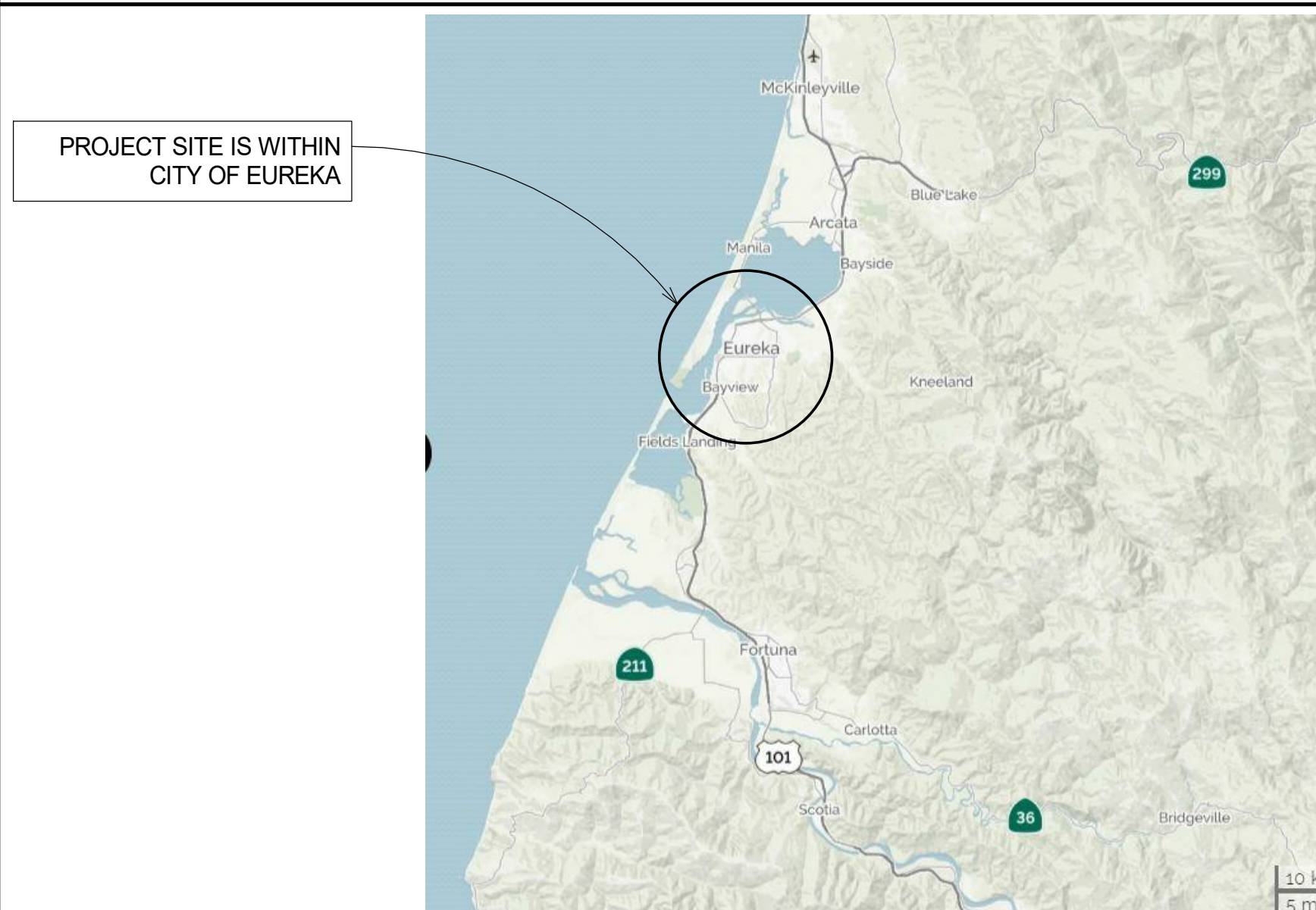
**3012 I STREET
EUREKA, CA 95501**

1/4/2019

SYMBOLS

[illegible]

LOCATION MAP



PROJECT TEAM

ARCHITECTURAL SHEETS

A001	COVER
A101	EXISTING / DEMO FLOOR PLAN
A102	NEW FLOOR PLAN
A501	DETAILS
<u>CIVIL SHEETS</u>	
G-1	COVER
G-2	STANDARD ABBREVIATIONS & LEGENDS
G-3	PROJECT NOTES & SPECIFICATIONS
G-4	EROSION CONTROL NOTES & DETAILS
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<u>PLUMBING SHEETS</u>	
P101	PLUMBING SCHEDULES / DETAILS / LEGEND
P201	PLUMBING DEMO & NEW FLOOR PLAN
<u>ELECTRICAL SHEETS</u>	
E001	ELECTRICAL LEGEND & ABBREVIATIONS
E002	ELECTRICAL SHEET SPECIFICATIONS
E101	ELECTRICAL PLAN

APPLICABLE CODES

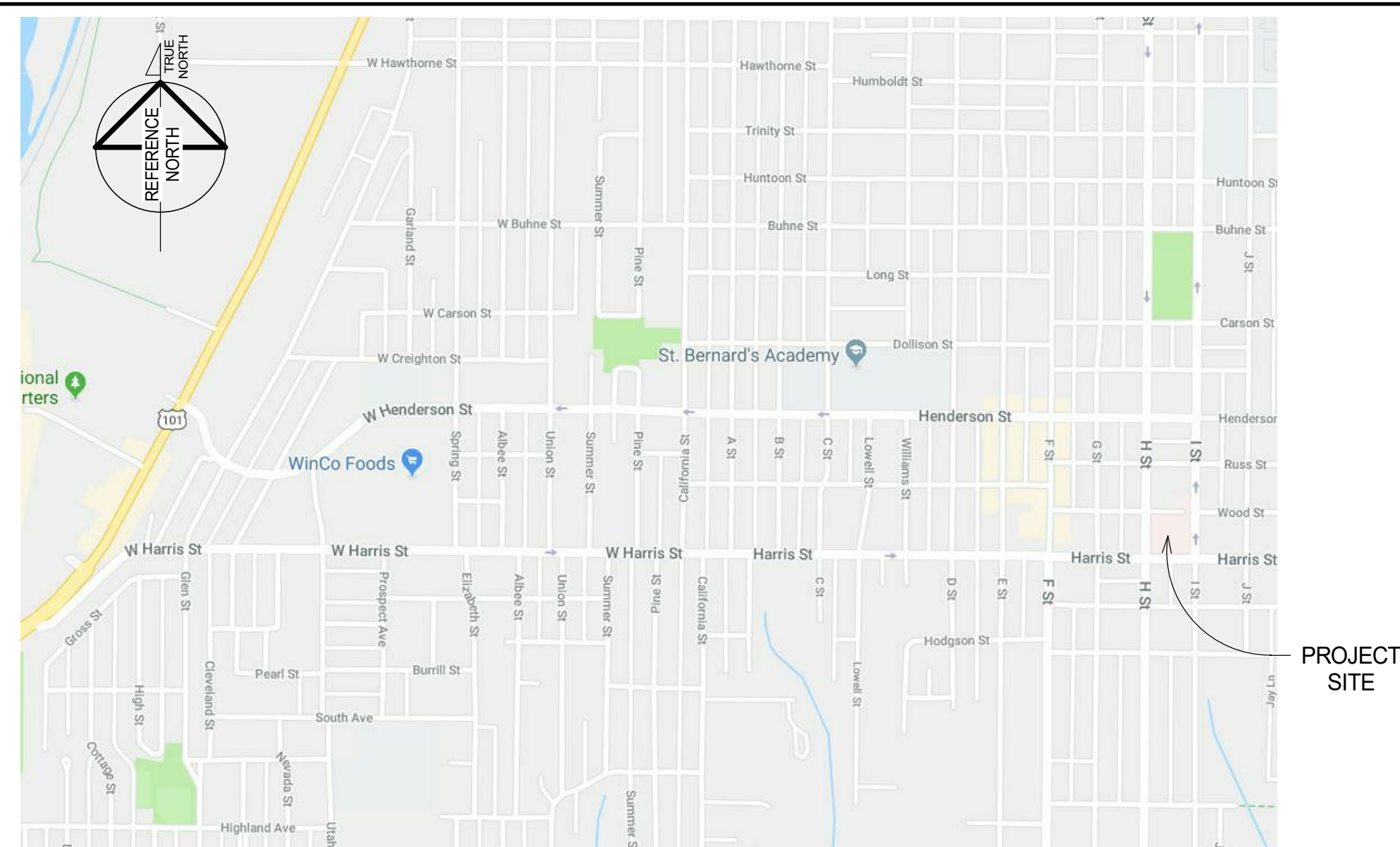
GENERAL NOTES

1. ENLARGE (E) SINGLE OCCUPANT RESTROOM TO BE ADA-COMPLIANT FOR UNISEX USE.
2. CREATE ADA-COMPLIANT PARKING SPACE.
3. CREATE ADA-COMPLIANT PATH-OF-TRAVEL TO PUBLIC SIDEWALK AND (E) ENTRY.

2016 CALIFORNIA BUILDING CODE, VOLUMES 1 AND 2 (CBC)
2016 CALIFORNIA RESIDENTIAL CODE (CRC)
2016 CALIFORNIA ELECTRICAL CODE (CEC)
2016 CALIFORNIA PLUMBING CODE (CPC)
2016 CALIFORNIA MECHANICAL CODE (CMC)
2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBSC)
2016 CALIFORNIA ENERGY CODE SUPPLEMENT (CenC)
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

1. NEW CONSTRUCTION, IF SPECIFICALLY NOTED IN THE ARCHITECTURAL DRAWINGS, SHALL EITHER BE UNPREFIXED OR PREFIXED BY "NEW" OR "IN".
2. EXISTING CONSTRUCTION, IF SPECIFICALLY NOTED IN THE ARCHITECTURAL DRAWINGS, SHALL ALWAYS BE PREFIXED BY "EXIST" OR "EJ".
3. CONTRACTOR TO VERIFY ALL CONDITIONS AND MEASUREMENTS OF AS-BUILT CONSTRUCTION AFFECTING PROPOSED WORK. ANY/ALL INCONSISTENCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH WORK.
4. INFORMATION ON EXISTING CONDITIONS WAS OBTAINED FROM DRAWINGS PROVIDED BY THE OWNER AND FROM VERY LIMITED OBSERVATIONS. THE ARCHITECT ASSUMES THESE SOURCES TO BE RELIABLE AND OBSERVED CONDITIONS ARE ASSUMED TO BE REPRESENTATIVE. HOWEVER, ACTUAL CONDITIONS MAY VARY. THE CONTRACTOR SHALL EXERCISE DUE DILIGENCE IN VERIFYING ACTUAL CONDITIONS.
5. THIS PROJECT INVOLVES REMOVAL OF PORTIONS OF EXISTING BUILDING SYSTEMS AND THEIR RECONSTRUCTION TO SUIT THE PROPOSED DESIGN. THESE DOCUMENTS INDICATE REQUIREMENTS FOR THE PRIMARY INTERFACE BETWEEN EXISTING AND CONSTRUCTION. HOWEVER, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND ESTABLISH ALL OTHER INTERFACE CONDITIONS WHICH MAY BE REQUIRED AND DEEMED MOST SUITABLE TO SUIT THE PROPOSED DESIGN.

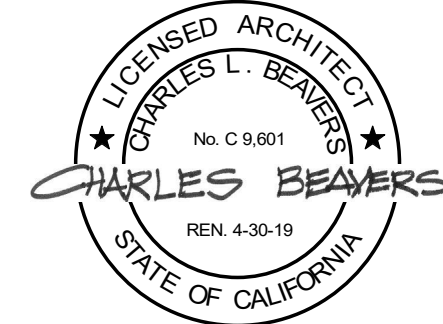
VICINITY MAP



REVISION SCHEDULE

[illegible]

SEAL



CONSULTANT:

BrokawDesign

P.O. BOX 3103
ROHNERT PARK, CA 94927

WWW.BROKAWDESIGN.COM

PROJECT:

CORONER'S
OFFICE
ACCESSIBILITY
IMPROVEMENTS

720 WOOD STREET
EUREKA, CA 95502

SHEET NAME:

COVER

ISSUE DATE: 1/4/2019

PREPARATION AND REVIEW

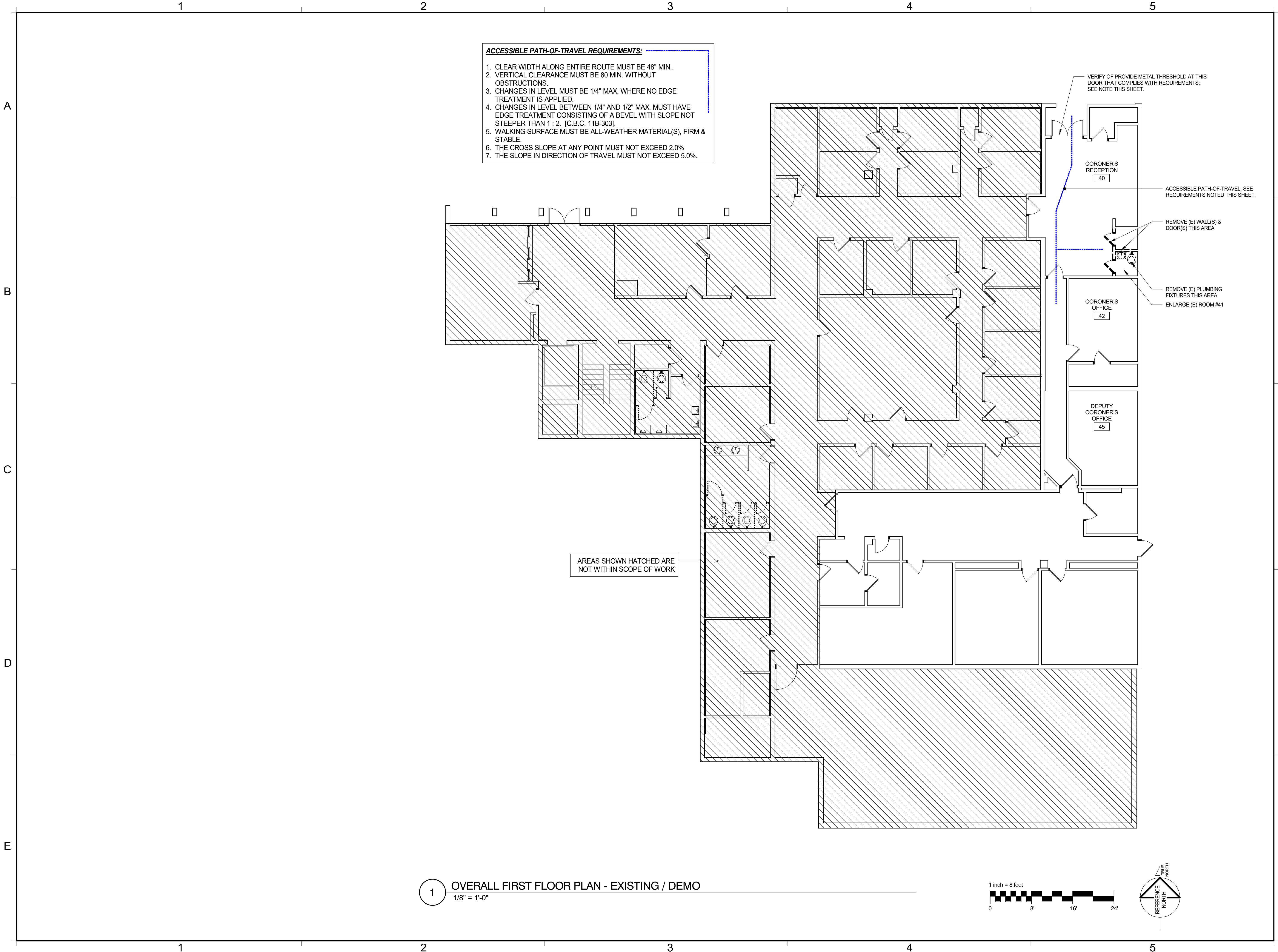
DRAWN BY:	Author
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DESIGNER:	Design
PROJ MGR:	

PROJ MGR:	
PEER REVIEW:	Check

SHEET NUMBER:

A001



- ACCESSIBLE PATH-OF-TRAVEL REQUIREMENTS:**
1. CLEAR WIDTH ALONG ENTIRE ROUTE MUST BE 48" MIN..
 2. VERTICAL CLEARANCE MUST BE 80 MIN. WITHOUT OBSTRUCTIONS.
 3. CHANGES IN LEVEL MUST BE 1/4" MAX. WHERE NO EDGE TREATMENT IS APPLIED.
 4. CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" MAX. MUST HAVE EDGE TREATMENT CONSISTING OF A BEVEL WITH SLOPE NOT STEEPER THAN 1 : 2. [C.B.C. 11B-303].
 5. WALKING SURFACE MUST BE ALL-WEATHER MATERIAL(S), FIRM & STABLE.
 6. THE CROSS SLOPE AT ANY POINT MUST NOT EXCEED 2.0%.
 7. THE SLOPE IN DIRECTION OF TRAVEL MUST NOT EXCEED 5.0%.

AREAS SHOWN HATCHED ARE NOT WITHIN SCOPE OF WORK

VERIFY OF PROVIDE METAL THRESHOLD AT THIS DOOR THAT COMPLIES WITH REQUIREMENTS; SEE NOTE THIS SHEET.

CORONER'S
RECEPTION
40

ACCESSIBLE PATH-OF-TRAVEL; SEE REQUIREMENTS NOTED THIS SHEET.

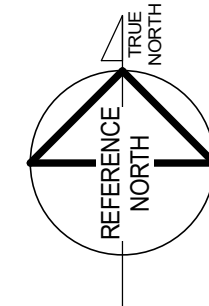
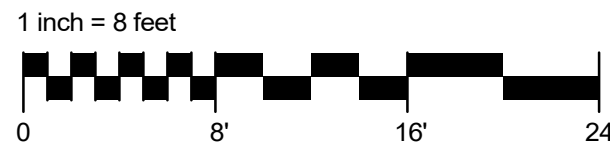
REMOVE (E) WALL(S) &
DOOR(S) THIS AREA

CORONER'S
OFFICE
42

REMOVE (E) PLUMBING
FIXTURES THIS AREA
ENLARGE (E) ROOM #41

DEPUTY
CORONER'S
OFFICE
45

1 OVERALL FIRST FLOOR PLAN - EXISTING / DEMO
1/8" = 1'-0"



REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

SEAL:

CONSULTANT:

BrokawDesign

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ROHNERT PARK, CA 94927

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PROJECT:

**CORONER'S
OFFICE
ACCESSIBILITY
IMPROVEMENTS**

720 WOOD STREET
EUREKA, CA 95502

SHEET NAME:

**EXISTING / DEMO
FLOOR PLAN**

ISSUE DATE: 1/4/2019

PREPARATION AND REVIEW

DRAWN BY: Author

DESIGNER: Designer

PROJ MGR:

PEER REVIEW: Checker

SHEET NUMBER:

A101

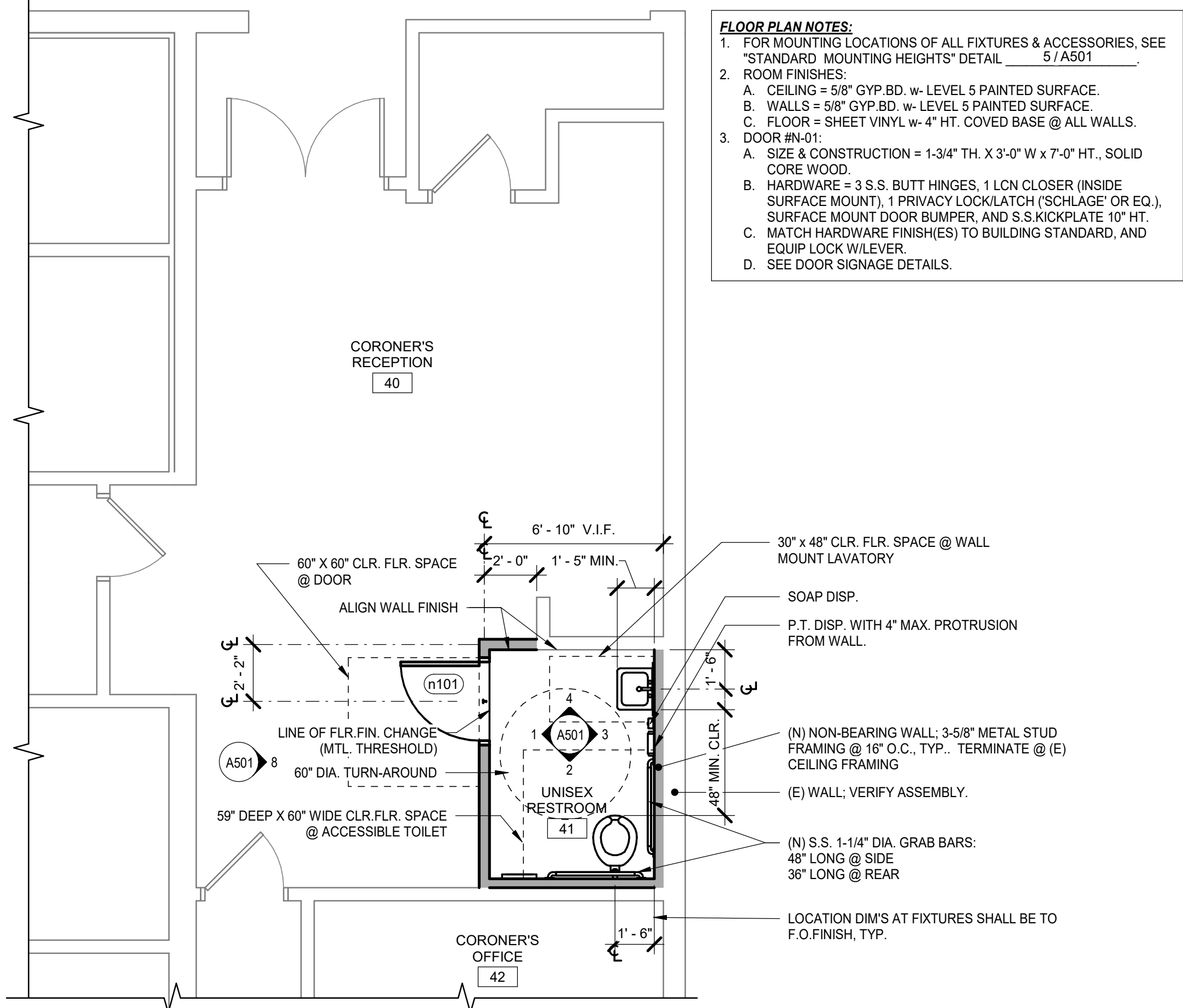
A

B

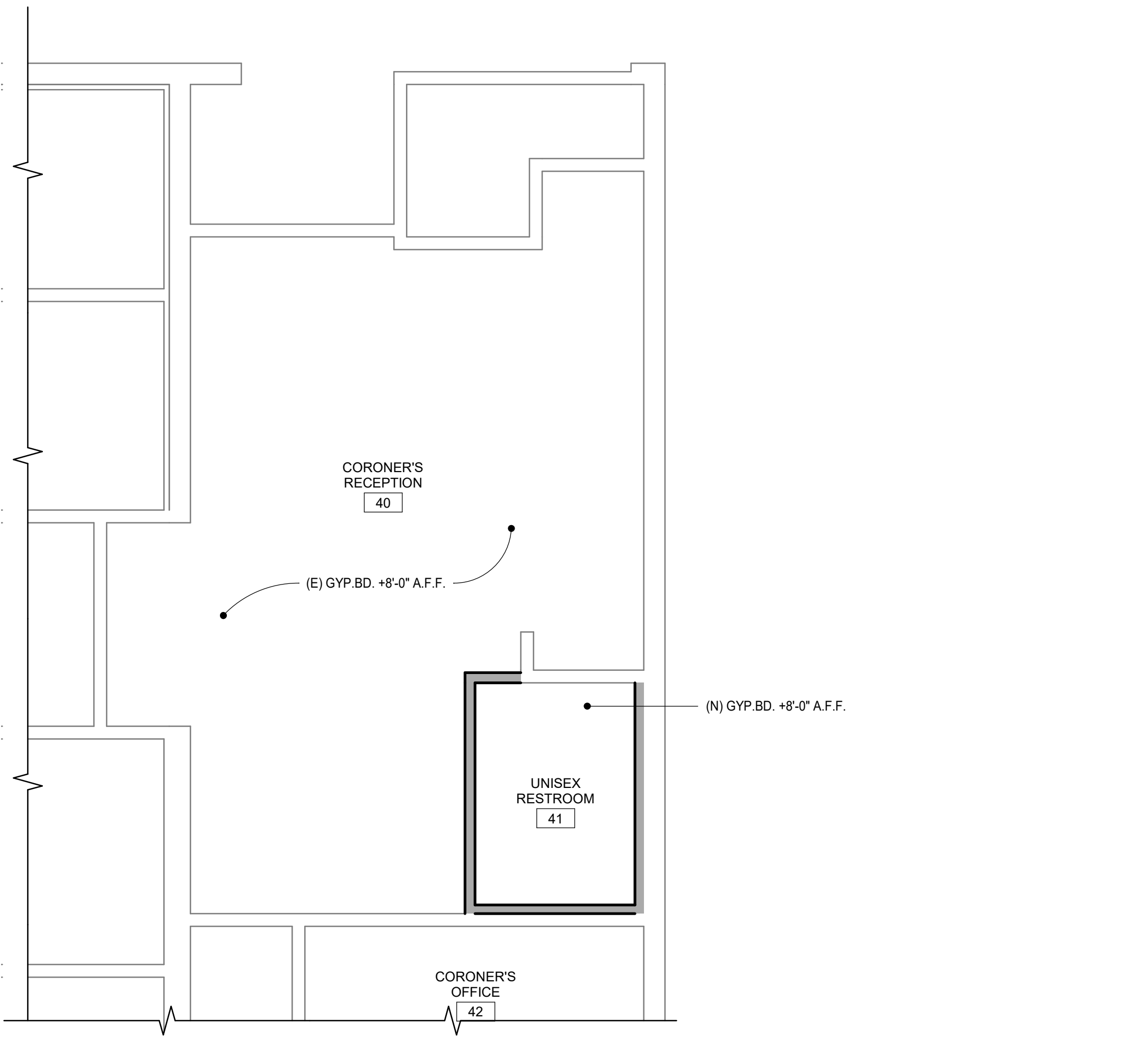
C

D

E



2 ENLARGED PLAN - RESTROOM @ RECEPTION
1/4" = 1'-0"

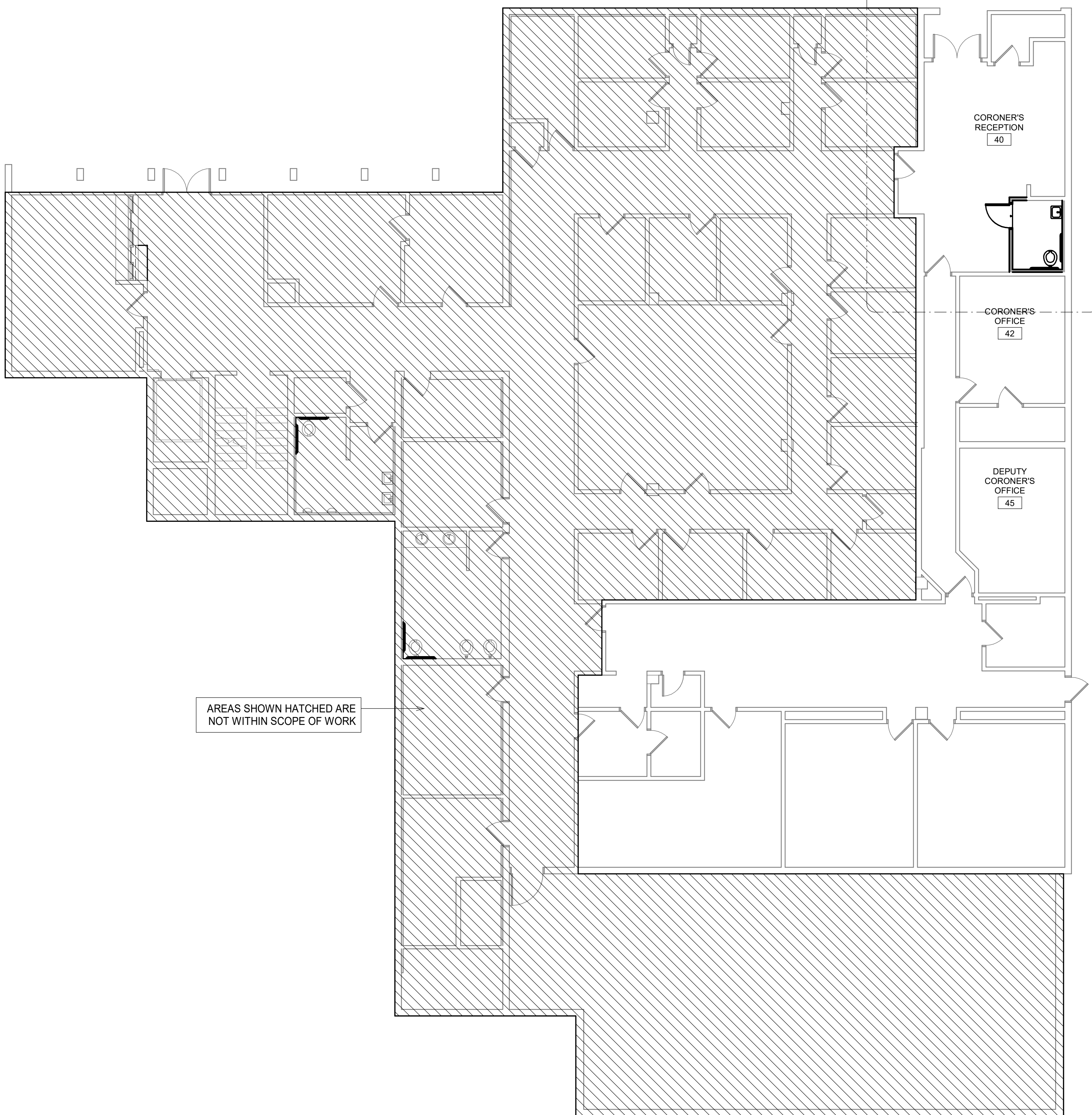


3 REFLECTED CEILING PLAN - NEW RESTROOM
1/4" = 1'-0"

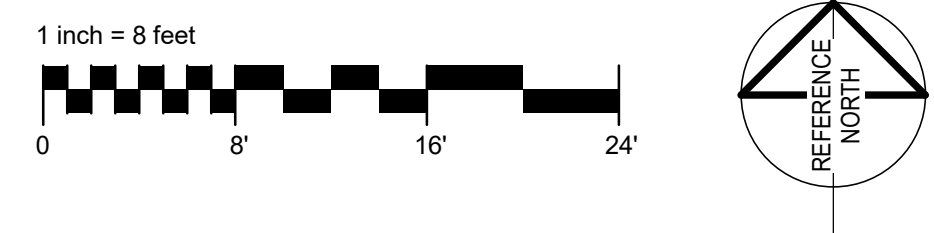
3

4

5



1 OVERALL FIRST FLOOR PLAN - NEW
1/8" = 1'-0"



A

B

C

D

E

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

SEAL:

CONSULTANT:

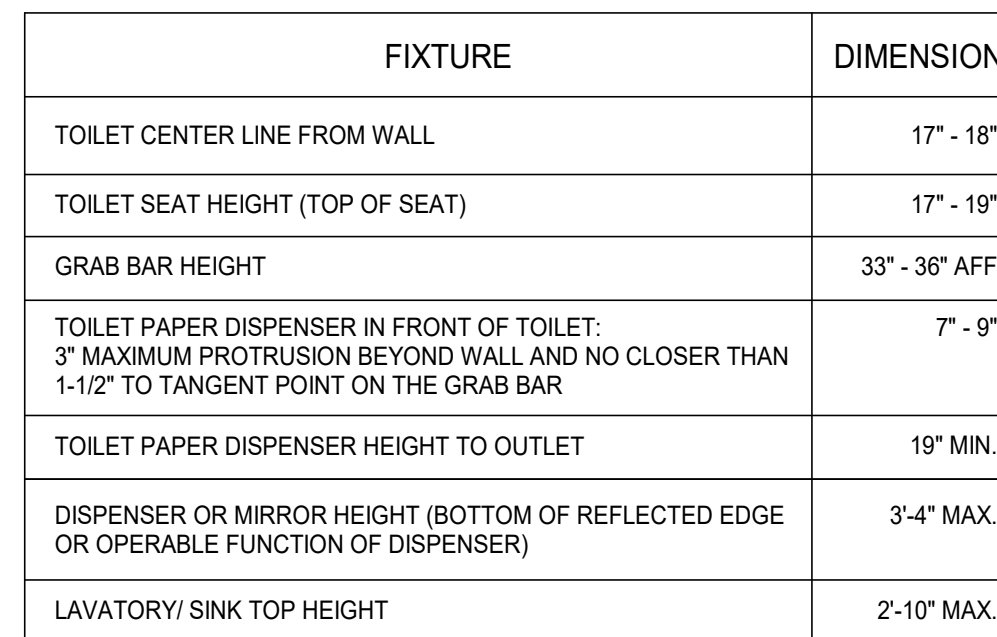
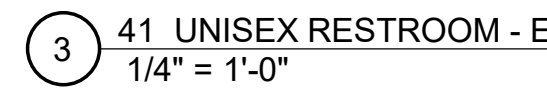
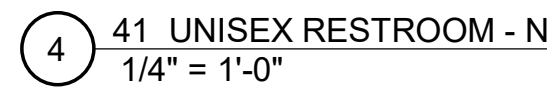
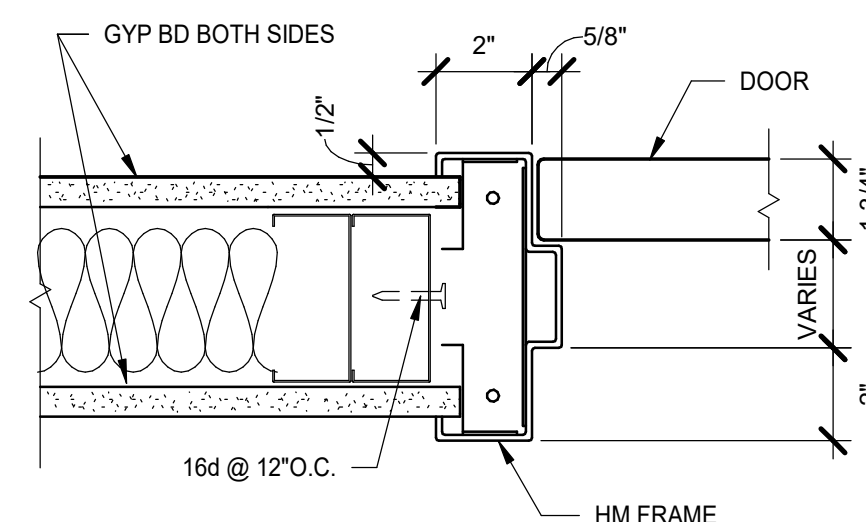
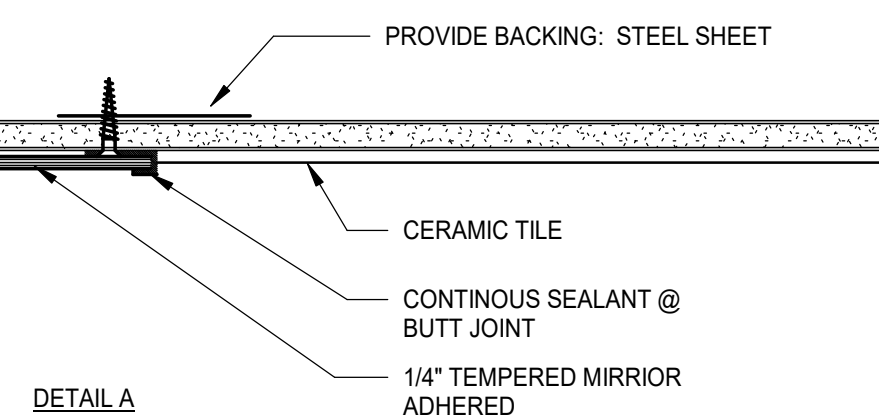
BrokawDesign
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ROHNERT PARK, CA 94927
WWW.BROKAWDESIGN.COM

PROJECT:
CORONER'S OFFICE ACCESSIBILITY IMPROVEMENTS
720 WOOD STREET
EUREKA, CA 95502

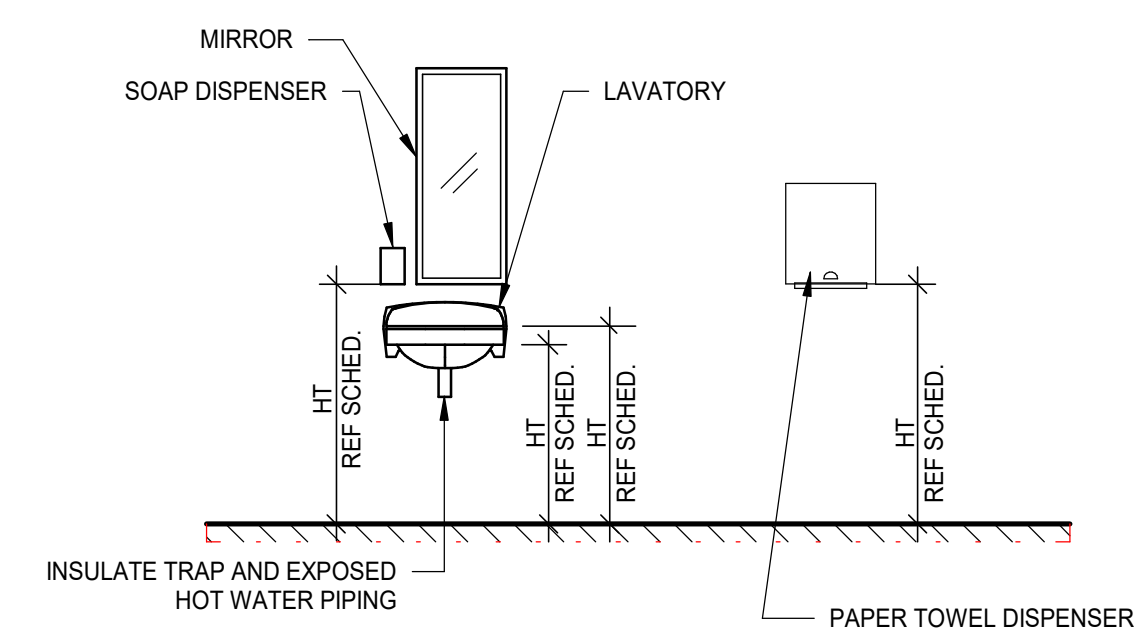
SHEET NAME:
NEW FLOOR PLAN

ISSUE DATE:	1/4/2019
PREPARATION AND REVIEW	
DRAWN BY:	Author
DESIGNER:	Designer
PROJ MGR:	
PEER REVIEW:	Checker
SHEET NUMBER:	

A102



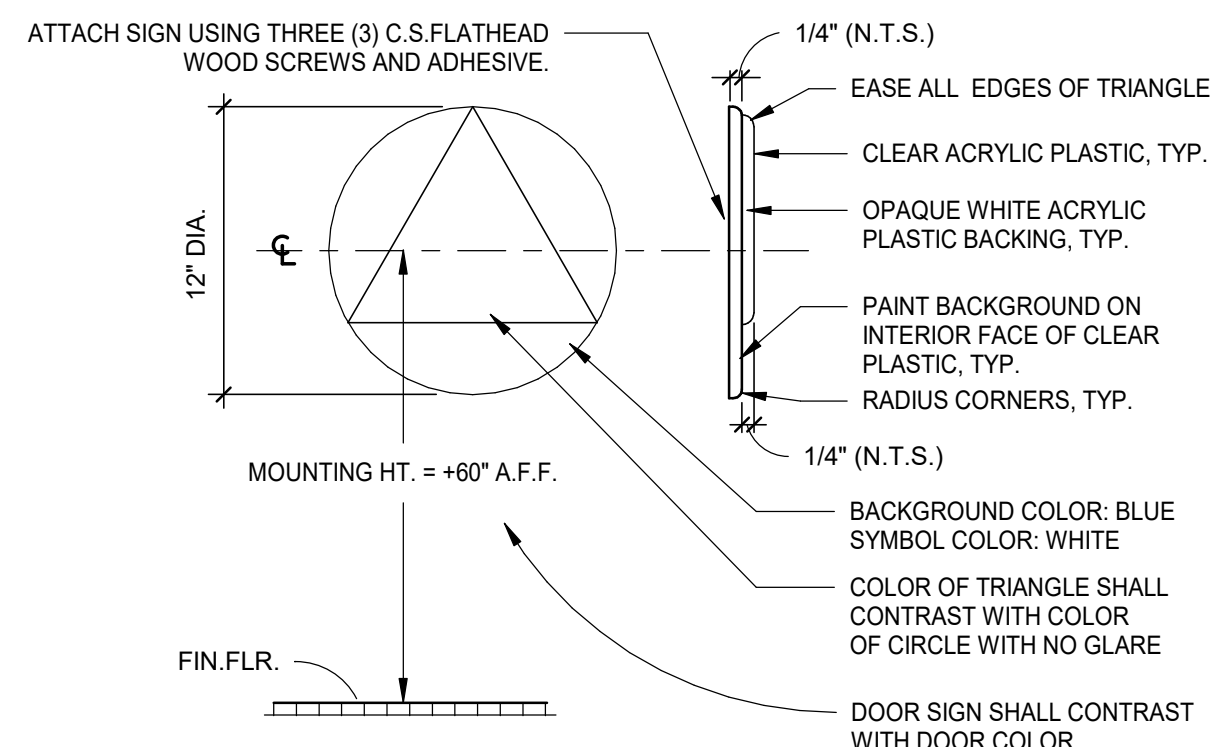
- NOTES:**
1. ALL FIXTURES AND ACCESSORIES ARE ACCESSIBLE UNLESS OTHERWISE NOTED OR DIMENSIONED.
 2. SEE ENLARGED TOILET PLAN DRAWINGS FOR TOILET ACCESSORY LOCATIONS.
 3. ALL ACCESSORIES ARE TO BE ACCESSIBLE WITH A MAXIMUM REACH HEIGHT OF 3'-4" FROM FLOOR TO CENTER OF FUNCTIONAL POINT.
 4. IN-WALL BACKING AT ALL GRAB BAR SUPPORT IS REQUIRED. ASSURE 250# WITHDRAWAL FORCE AT EACH SUPPORT POINT.



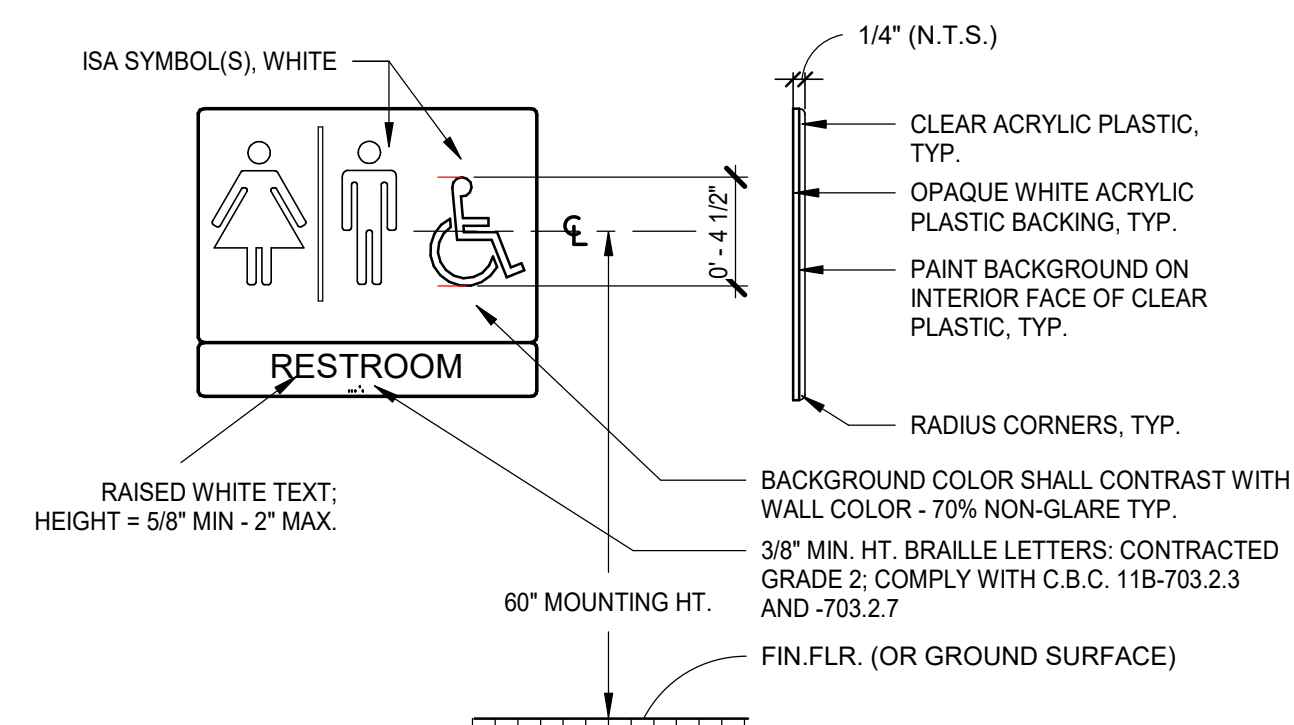
5 REQUIRED MOUNTING LOCATIONS for COMMON FIXTURES

DOOR SCHEDULE																
MARK	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	GLASS	FRAME					STC RATING	FIRE RATING	HARDWARE SET	REMARKS
								MAT.	FIN.	HEAD	JAMB	THRESH.				
n101	3' - 0"	7' - 0"	0' - 1 3/4"	A	S.C.WD.	*MATCH	--	H.M.	*MATCH	--	--	--	--	--	HS-01U	*MATCH = MATCH FINISH OF EXISTING DOORS IN OFFICE SUITE.

DOOR HARDWARE SET(S)										
SET #	HANGING	LOOK FUNCTION	LOOK/LATCH MANUF. & MODEL #	SECURITY	CLOSER	STOP / HOLD-OPEN	PROTECTION	PERIMETER SEAL	BOTTOM SEAL	ACCESSORY
HS-01U	3 EA. 'HAGER' S.S. 4.5" BUTT HINGES	HOSPITAL PRIVACY	SCHLAGE ND44S WITH LEVER HANDLE	NONE	LCN (INSIDE MOUNT)	WALL BUMPER	10" S.S. KICKPLATE (MATCH DOOR WIDTH)	HEAD & JAMBS	NONE	ROBE HOOK @ +66" A.F.F. ROBE HOOK @ +48" A.F.F.



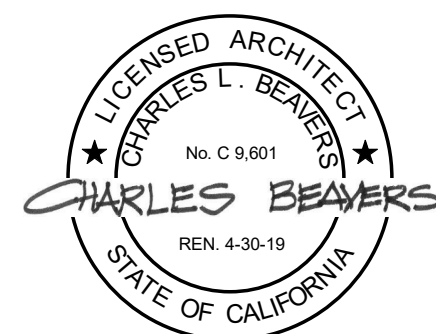
- TACTILE CHARACTER NOTES**
1. BASELINE OF LOWEST TACTILE CHARACTERS SHALL BE LOCATED 48 INCHES (1473 MM) MINIMUM ABOVE FINISH FLOOR OR GROUND SURFACE.
 2. BASELINE OF HIGHEST TACTILE CHARACTER SHALL NOT EXCEED 60" ABOVE FINISH FLOOR OR GROUND SURFACE



- TACTILE CHARACTER NOTES**
1. BASELINE OF LOWEST TACTILE CHARACTERS SHALL BE LOCATED 48 INCHES (1473 MM) MINIMUM ABOVE FINISH FLOOR OR GROUND SURFACE.
 2. BASELINE OF HIGHEST TACTILE CHARACTER SHALL NOT EXCEED 80" ABOVE FINISH FLOOR OR GROUND SURFACE

[illegible]

SEAL:



CONSULTANT:

BrokawDesign

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ROHNERT PARK, CA 94927

WWW.BROKAWDESIGN.COM

PROJECT:

CORONER'S
OFFICE
ACCESSIBILITY
IMPROVEMENTS

720 WOOD STREET
EUREKA, CA 95502

SHEET NAME:

DETAILS

ISSUE DATE:	1/4/2019
PREPARATION AND REVIEW	
DRAWN BY:	Author
DESIGNER:	Designer
PROJ MGR:	
PEER REVIEW:	Checker
SHEET NUMBER:	

A50 1

COUNTY OF HUMBOLDT

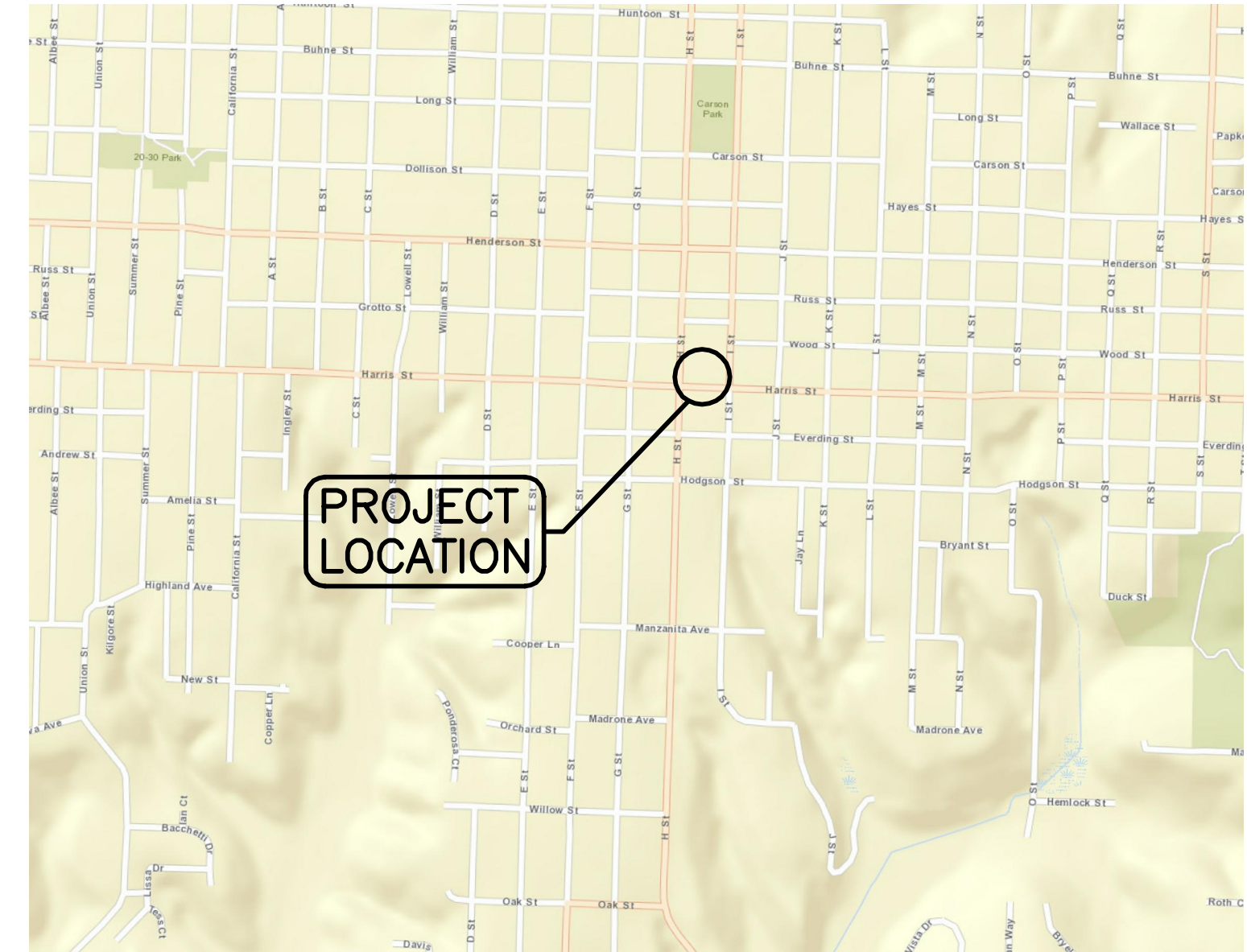
HUMBOLDT COUNTY CORONER'S OFFICE ACCESSIBILITY UPGRADES
EUREKA, CALIFORNIA



JANUARY 2019



INDEX OF SHEETS		
SEQ	SHEET	TITLE
1	G-1	COVER
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4	G-4	EROSION CONTROL NOTES AND DETAILS
5	C-1	DEMOLITION PLAN
6	C-2	SITE LAYOUT PLAN
7	C-3	GRADING AND DRAINAGE PLAN
8	C-4	DETAILS
9	C-5	DETAILS



VICINITY MAP

NTS



VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING

0 1

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

**CONSULTING ENGINEERS
& GEOLOGISTS, INC.**
812 W. WABASH AVE.
EUREKA, CA. 95501
WWW.SHN-ENCR.COM
707-441-8855

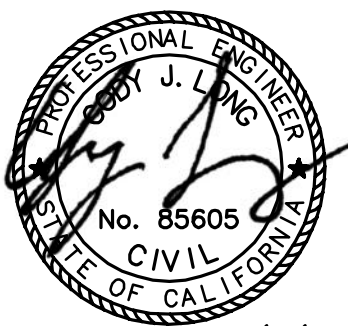
MS

NO.	DATE	REVISION	BY
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DR	CJL/CDN
CHK	JSO
APVD	

HUMBOLDT COUNTY CORONER'S OFFICE
EUREKA, CALIFORNIA

SHEET
G-1
SEQ
DATE 01/2019
PROJ. NO. 018077.200



1/3/19

SAVED: 1/3/2019 11:24 AM CNEWELL, PLOTTED: 1/15/2019 1:32 PM CHRIS D. NEWELL
\\Eureka\Projects\2018\018077-HumCo-ADA-Med\200-HumCoCoronerOffice\Draws\018077-200-NOTES-SPECS.dwg

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO CURRENT CALIFORNIA BUILDING CODE.
2. THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PIECE, SECTION, JOINT OR FITTING REQUIRED TO COMPLETE THE PROJECT. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION. EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF EXCAVATION SHALL BE VERIFIED AS TO CONDITION, SIZE AND LOCATION BY UNCOVERING, PROVIDED SUCH IS PERMITTED BY LOCAL PUBLIC AUTHORITIES WITH JURISDICTION, BEFORE BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.
3. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
4. THE CONTRACTOR SHALL PROVIDE A COPY OF THE TRENCH PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE EXCAVATION OF ANY TRENCH OVER FIVE FEET IN DEPTH.
5. CONTRACTOR SHALL PERFORM TRENCH WORK IN CONFORMANCE WITH THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY REQUIREMENTS AND SHALL CONFORM TO ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH STANDARDS, RULES, REGULATIONS AND ORDERS ESTABLISHED BY THE STATE OF CALIFORNIA AND OTHER APPLICABLE AGENCIES.
6. CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, GENERAL CONTRACTOR WILL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. ALL WORK AND EQUIPMENT SHALL COMPLY WITH THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY REQUIREMENTS. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY, AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR FURTHER AGREES TO HOLD HARMLESS, INDEMNIFY AND DEFEND THE OWNER, THE ENGINEER AND HIS/HER CONSULTANTS.
7. THE CONTRACTOR SHALL INDEPENDENTLY REVIEW GROUND, TOPOGRAPHY AND TREE CONDITIONS THROUGHOUT THE SITE, AND ASSUME THE RISK OF COMPLETING THE WORK SET OUT ON THESE PLANS, REGARDLESS OF ROCK, WATER TABLE OR OTHER CONDITIONS WHICH MAY BE ENCOUNTERED IN THE COURSE OF THE WORK.
8. ANY DISCREPANCY DISCOVERED BY THE CONTRACTOR IN THESE PLANS, OR ANY FIELD CONDITIONS DISCOVERED BY THE CONTRACTOR THAT MAY DELAY OR OBSTRUCT THE PROPER COMPLETION OF THE WORK SHOWN HEREIN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE ENGINEER IMMEDIATELY UPON DISCOVERY. SAID NOTIFICATION SHALL BE IN WRITING.
9. ALL UNDERGROUND IMPROVEMENTS SHALL BE INSTALLED TESTED AND APPROVED PRIOR TO PAVING.
10. THE CONTRACTOR SHALL NOT BEGIN EXCAVATING UNTIL ALL EXISTING UTILITIES HAVE BEEN MARKED IN THE FIELD. THE CONTRACTOR SHALL NOTIFY EACH APPLICABLE ENTITY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. CALL UNDERGROUND SERVICE ALERT (USA) TWO WORKING DAYS BEFORE DIGGING AT (800) 227-2600 FOR LOCATES.
11. GRADING AND CONSTRUCTION CONTRACTORS SHALL STOP WORK AND NOTIFY THE OWNER AND THE ENGINEER IF CULTURAL RESOURCES ARE DISCOVERED DURING CONSTRUCTION.
13. THE CONTRACTOR SHALL GIVE THE INSPECTOR 48 HOURS ADVANCE NOTICE OF ANY CONSTRUCTION OR REQUIRED TESTING.
14. SHOULD THE CONTRACTOR OR ANY OF HIS AGENTS OR EMPLOYEES ENCOUNTER OR DISCOVER MATERIALS WHICH APPEAR TO BE HAZARDOUS DURING THE PERFORMANCE OF THE WORK, THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY AND SUSPEND WORK IN THE AFFECTED AREA UNTIL THE ENGINEER HAS INSPECTED THE LOCATION AND MATERIALS IN QUESTION. SHOULD IT BE NECESSARY TO UNDERTAKE REMEDIATION, THE ENGINEER WILL GIVE WRITTEN NOTICE TO SUSPEND WORK IN THE AFFECTED AREA UNTIL THE PROPER COURSE OF ACTION HAS BEEN DETERMINED. OPERATIONS IN THE AFFECTED AREA SHALL BE RESUMED ONLY UPON WRITTEN NOTICE BY THE ENGINEER.
15. THE TOPSOIL SHALL BE REMOVED FROM CUT AND FILL AREAS AND SHALL NOT BE USED FOR ENGINEERED FILL. TOPSOIL SHALL BE STOCKPILED SEPARATELY AND REPLACED OVER AREAS OF EXPOSED SUBGRADE TO A MINIMUM DEPTH OF 6 INCHES.
16. NO CHANGES OR MODIFICATIONS SHALL BE MADE TO THESE PLANS WITHOUT WRITTEN APPROVAL BY THE ENGINEER.
17. CONSTRUCTION TO COMPLY WITH ANY TECHNICAL REPORTS COMPLETED FOR THE PROJECT.

SURVEY NOTES:

HORIZONTAL DATUM: ASSUMED 5,000N, 10,000E AT CONTROL POINT #101, WITH A COMPASS BEARING OF NZW FROM CONTROL POINT #101 TO CONTROL POINT #102.

VERTICAL DATUM: ASSUMED ELEVATION OF 100.00' AT CONTROL POINT #101.

UNDERGROUND UTILITY NOTE:
UNDERGROUND UTILITY INFORMATION SHOWN IS BASED ON VISIBLE EVIDENCE. SHN MAKES NO GUARANTEE REGARDING LOCATION, TYPE, SIZE, NOR PRESENCE OR ABSENCE OF UNDERGROUND UTILITIES.
IRRIGATION SYSTEM NOT MAPPED.

OVERHEAD UTILITY NOTE:
OVERHEAD LINES OFF OF THE PROJECT SITE ARE NOT FULLY MAPPED. INFORMATION SHOWN IS BASED ON VISIBLE EVIDENCE. NO MAPPING OBTAINED FOR PHONE AND CABLE TELEVISION FACILITIES. PHONE AND CABLE TELEVISION LINE LOCATIONS NOT VERIFIED.

TREE NOTE:
ALL TREES SURVEYED WERE DECIDUOUS UNLESS NOTED OTHERWISE. INDIVIDUAL TRUNKS IN TREE CLUSTERS NOT SHOWN.

EROSION CONTROL NOTES:

1. BMP'S SHALL BE INSTALLED PRIOR TO ANY SITE DISTURBANCE AND MAINTAINED SUCH THAT NO VISIBLE SEDIMENT LEAVES THE SITE.
2. TRACKING CONTROLS: ENTRANCE/EXIT BMP.
3. PAVED AND CONCRETE AREAS AT THE ACCESS POINTS SHALL BE SWEEP OR VACUUMED AS OFTEN AS EACH DAY TO ELIMINATE TRACKING SOIL AND DEBRIS BEYOND THE LIMITS OF THE PROJECT SITE. ANY SOILS AND/OR DEBRIS, ROCK, GRAVEL, ETC. TRACKED BEYOND THE LIMITS OF THE PROJECT SITE AS A RESULT OF THIS PROJECT SHALL BE REMOVED IMMEDIATELY.
4. DISTURBED AREAS PROTECTED TO EXTENT PRACTICAL DURING CONSTRUCTION.
5. STOCKPILE MANAGEMENT TO BE IMPLEMENTED.
6. DISTURBED AREA STABILIZED AS SOON AS POSSIBLE.
7. THE CONTRACTOR SHALL NOT ALLOW ANY CONSTRUCTION DEBRIS TO ENTER THE STORM DRAIN OR SANITARY SEWER SYSTEMS. THE CONTRACTOR SHALL INSTALL APPROVED PHYSICAL BARRIERS TO ENSURE THAT ALL DEBRIS IS CAPTURED AND REMOVED FROM SURFACE RUNOFF PRIOR TO RELEASING SITE RUNOFF.

PROJECT SPECIFICATIONS:

GENERAL COMPACTION

1. COMPACTION REQUIREMENTS AS SPECIFIED WILL BE BY PERCENT OF THE MAXIMUM DRY DENSITY AND AS DETERMINED PER ASTM D 1557.
2. PLACE BACKFILL AND FILL SOIL MATERIAL IN LOOSE LIFTS OF NOT MORE THAN 8 INCHES FOR MATERIAL COMPACTED BY HEAVY EQUIPMENT, AND NOT MORE THAN 6 INCHES FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.
3. THE GROUND SURFACE IN AREAS TO RECEIVE FILL SHALL BE PREPARED AS FOLLOWS:
 - 3.1. ALL ORGANIC MATERIAL AND TOPSOIL SHALL BE REMOVED.
 - 3.2. ON SLOPES GREATER THAN 1V:4H, HORIZONTAL BENCHES SHALL BE CUT INTO THE SOIL TO PROVIDE A LEVEL BEARING SURFACE FOR THE FILL MATERIAL. THE MINIMUM WIDTH OF THE BENCHES SHALL BE FOUR FEET.
4. ALL IMPROVEMENTS SHALL BE GRADED TO DRAIN TO THE APPROVED DRAINAGE COURSE AT A UNIFORM SLOPE OF 2% MINIMUM UNLESS OTHERWISE NOTED.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM THE GROUND ELEVATIONS AND OVERALL TOPOGRAPHY OF THE SITE PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY SHN CONSULTING ENGINEERS AT 707-441-8855 IMMEDIATELY, AND PROVIDE WRITTEN DESCRIPTION OF ANY DIFFERENCES IN TOPOGRAPHY FROM THAT SHOWN ON THESE PLANS WHICH MAY REQUIRE CHANGES IN DESIGN AND/OR AFFECT EARTHWORK QUANTITY.
6. NO CUT OR FILL SLOPES SHALL EXCEED THE SLOPE RATIO OF 2H:1V, UNLESS OTHERWISE NOTED.
7. TOPSOIL SHALL BE REMOVED FROM ALL CUT AND FILL AREAS AND SHALL NOT BE USED FOR ENGINEERED FILL.
8. FILL MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE SOILS REPORT UNLESS OTHERWISE NOTED ON THESE PLANS. NO ADDITIONAL COMPENSATION WILL BE MADE FOR COMPLYING WITH THE FILL MATERIAL REQUIREMENTS OF THE SOILS REPORT.
9. COMPACTION IN TRENCHES SHALL BE TESTED EVERY 50-75 FEET WITH A MINIMUM OF TWO TESTS PER ANY LENGTH OF TRENCHING. THE ENGINEER WILL BE PERMITTED TO COMPLETE TESTING AT ANY BACKFILL ELEVATION DURING THE BACKFILLING PROCESS. THE CONTRACTOR SHALL PROVIDE EQUIPMENT AND AN OPERATOR, FREE OF CHARGE TO FACILITATE THE TESTING REQUIRED BY THE ENGINEER.
10. FILL MATERIALS SHALL BE MECHANICALLY COMPACTED. JETTING WILL NOT BE ALLOWED.
11. CARE SHALL BE TAKEN NOT TO CRUSH THE PIPE OR OTHER COMPONENTS WITH COMPACTION EQUIPMENT.
12. GEOTECHNICAL ENGINEER SHALL INSPECT AND APPROVE FOOTING EXCAVATIONS PRIOR TO PLACEMENT OF FORMS AND REBAR.

PROJECT SPECIFICATIONS (CONT):

SITE WORK CONCRETE

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM WITH CHAPTER 19A OF THE CBC AND WITH THE PROVISIONS OF ACI 318. MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONCRETE PLACEMENT.
2. UNLESS OTHERWISE STATED, CONCRETE SHALL BE HARDROCK CONCRETE AND SHALL MEET THE FOLLOWING DESIGN CRITERIA:
 - A. MINIMUM 28-DAY COMPRESSIVE STRENGTH = 4,000 PSI
 - B. MINIMUM CEMENT CONTENT = 5 SACKS/CUYD
 - C. MAXIMUM AGGREGATE SIZE = 3/4"
 - D. SLUMP = 4"±1"
3. CONCRETE SHALL BE MIXED, PLACED, AND CURED IN ACCORDANCE WITH ACI 318.
4. REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE."
5. SURFACE OF ALL CONCRETE FLATWORK SHALL BE IN ACCORDANCE WITH CBC REQUIREMENTS FOR ACCESSIBLE ROUTES.
6. ALL ITEMS TO BE CAST IN CONCRETE SUCH AS REINFORCING DOWELS, BOLTS, ANCHORS, PIPES AND SLEEVES SHALL BE SECURELY POSITIONED IN FORMS BEFORE PLACEMENT OF CONCRETE.
7. WALKWAYS SHALL MEET THE ACCESSIBILITY REQUIREMENTS PROVIDED IN THE CALIFORNIA BUILDING CODE. LONGITUDINAL SLOPES OF WALKWAYS SHALL NOT EXCEED 5%. CROSS SLOPES OF WALKWAYS SHALL NOT EXCEED 2%. LANDINGS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.
8. ALL CONCRETE FORM WORK SHALL BE REMOVED AFTER CONCRETE HAS SET.

PAVING

1. ALL ASPHALT CONCRETE SHALL BE IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATIONS SECTION 39.
2. ASPHALT MATERIAL SHALL BE HMA TYPE A WITH 1/2 INCH AGGREGATE GRADATION. ASPHALT BINDER SHALL BE PG64-16.
3. ASPHALT CONCRETE SHALL BE INSTALLED AND TESTED ACCORDING TO THE "STANDARD PROCESS" SPECIFIED IN SECTION 39. ACCEPTANCE CRITERIA PER CALTRANS TEST 309.
4. WHERE NEW PAVING MEETS EXISTING PAVEMENT, EXISTING PAVEMENT SHALL BE SAWCUT.
5. APPLY TACK COAT TO CONTACT SURFACES OF CURBS, GUTTERS AND EXISTING PAVEMENT.
6. PLACE ASPHALT CONCRETE WITHIN 24 HOURS OF APPLYING PRIMER OR TACK COAT.
7. TACK COAT SHALL BE TYPE SS-1.
8. COMPACT PAVEMENT BY ROLLING TO A MINIMUM OF 95% OF MAXIMUM DENSITY. DO NOT DISPLACE OR EXTRUDE PAVEMENT FROM POSITION. HAND COMPACT IN AREAS INACCESSIBLE TO MECHANICAL ROLLING EQUIPMENT.
9. PERFORM ROLLING WITH CONSECUTIVE PASSES TO ACHIEVE SMOOTH FINISH WITHOUT ROLLER MARKS.
10. AGGREGATE BASE SHALL BE CALTRANS CLASS 2, COMPACTED TO 95% RELATIVE COMPACTION PER ASTM D1557/D6938.
11. IN AREAS TO BE PAVED, MINIMUM TOP 6 INCHES OF SUITABLE NATIVE SOIL SHALL BE SCARIFIED AND RECOMPACTED TO 90% RELATIVE COMPACTION PER ASTM D1557/D6938.
12. UNLESS OTHERWISE SHOWN ON THESE PLANS, NEW ASPHALT CONCRETE SURFACES AND NEW FINISH GRADE SURFACES SHALL BE INSTALLED SO AS TO MAINTAIN EXISTING SURFACE DRAINAGE PATTERNS.



VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

SHN CONSULTING ENGINEERS & GEOLOGISTS, INC.
812 W. WABASH AVE.
EUREKA, CA. 95501
WWW.SHN-ENGR.COM
707-441-8855

NO.	DATE	REVISION	BY

DESIGN CUL
OR CUL/CDN
CHK JSD
APVD

COUNTY OF HUMBOLDT
HUMBOLDT COUNTY CORONER'S OFFICE
EUREKA, CALIFORNIA
PROJECT NOTES AND SPECIFICATIONS

SHEET
G-3

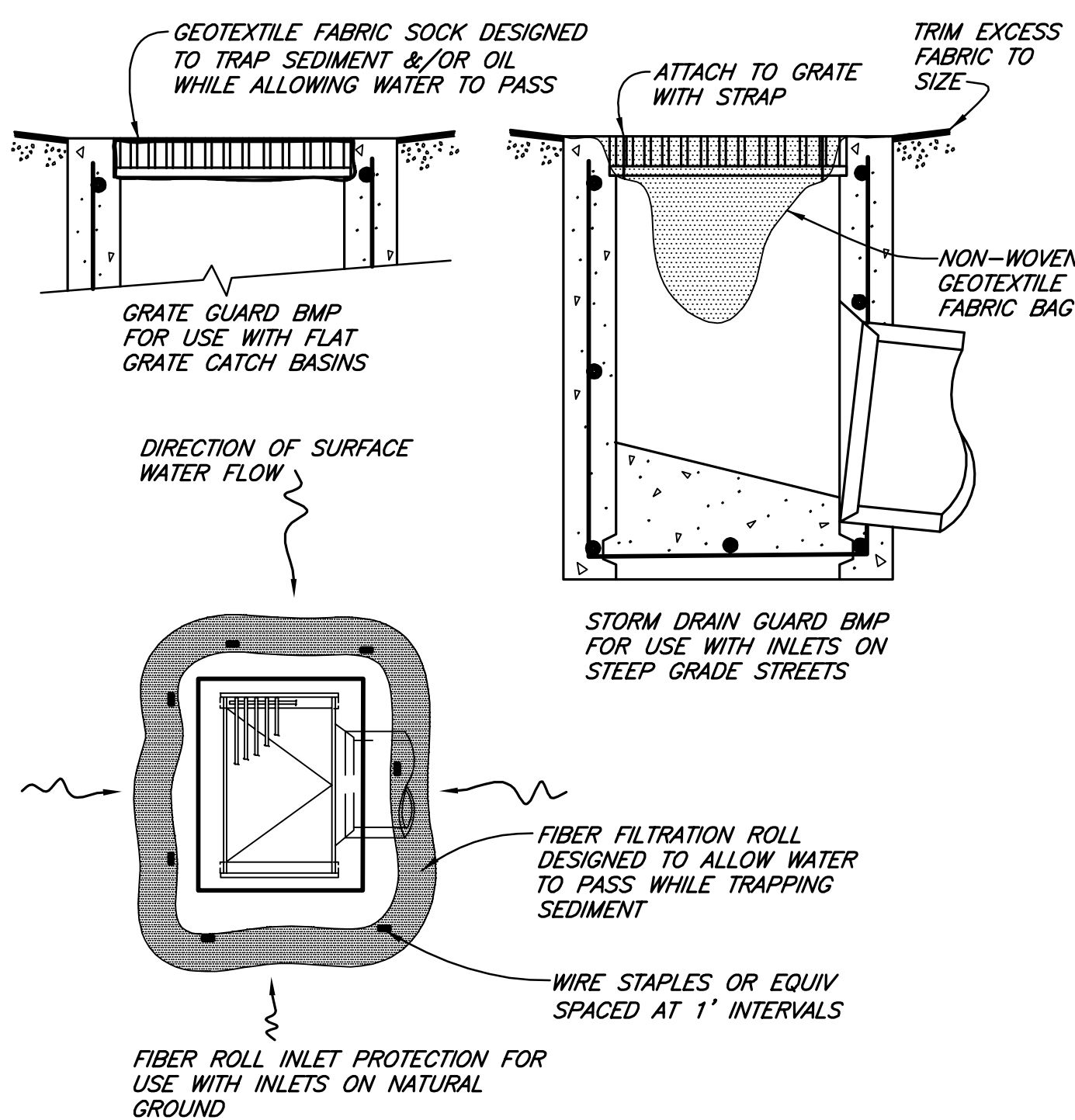
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DATE
01/2019

PROJ. NO.
018077.200

MAINTENANCE AND INSPECTION:

9. MAINTENANCE AND INSPECTION OF BMP'S, AT A MINIMUM, SHALL BE CONDUCTED ACCORDING TO THE FOLLOWING SCHEDULE:
- BMP'S SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
 - BMP'S AT INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH, PRIOR TO A FORECAST STORM, AND WITHIN 24 HOURS FOLLOWING A STORM EVENT.

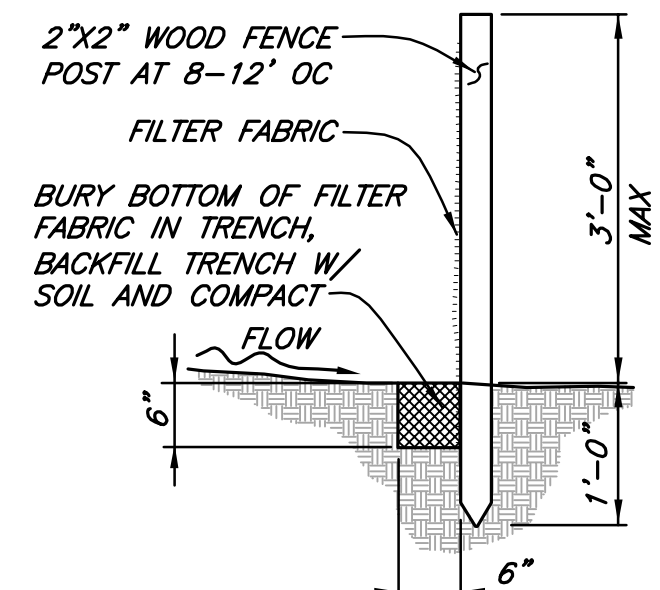


NTS

(210

STOCKPILES:

10. EXCAVATED SOILS MAY BE PLACED ADJACENT TO THE TOP OF THE TRENCH IF THE STOCKPILED SOIL THICKNESSES ARE 2 FEET OR LESS. IF SOILS ARE PLACED IN MOUNDING STOCKPILES, THEN EXCAVATED SOILS SHOULD BE PLACED NO CLOSER THAN 10 FEET FROM THE TOP OF THE TRENCH EXCAVATION.
 11. SOIL STOCKPILES SHALL BE COVERED, STABILIZED, OR PROTECTED WITH SOIL STABILIZATION MEASURES AND A PERIMETER SEDIMENT BARRIER AT ALL TIMES DURING THE RAINY SEASON, AND PRIOR TO THE ONSET OF RAIN DURING THE NON-RAINY SEASON.
 12. STOCKPILES OF CONTAMINATED SOIL SHALL BE MANAGED IN ACCORDANCE WITH CALTRANS BMP FOR "CONTAMINATED SOIL MANAGEMENT"
- DEWATERING:
13. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROPER DESIGN, INSTALLATION, OPERATION, AND DESTRUCTION OF DEWATERING FACILITIES NEEDED DURING CONSTRUCTION.
 14. CONTRACTOR SHALL ESTABLISH AND MAINTAIN DEWATERING FACILITIES TO ALLOW FOR THE EXCAVATION, AND SUBSEQUENT PLACEMENT AND RECOMPACTION OF TRENCH MATERIAL WITHIN THE EXCAVATED AREA.
 15. HANDLING OF WATER FROM THE EXCAVATION AND DISPOSAL OF SAME FROM THE PROJECT SITE SHALL BE PERFORMED IN ACCORDANCE WITH BMP'S TO AVOID SEDIMENT TRANSPORT AND OTHER IMPACTS TO RECEIVING WATERS AS OUTLINED IN THE APPROVED SWPPP FOR THIS PROJECT.
 16. SEDIMENT BASINS SHALL BE LOCATED A MINIMUM OF 100 FEET FROM A WATERCOURSE.
 17. WATER FROM THE SEDIMENT BASINS SHOULD NOT BE DISCHARGED AS CONCENTRATED FLOW DIRECTLY INTO SLOUGHS, CUTOFF SLOUGHS, STREAMS, OR ANY DITCH THAT DISCHARGES TO ONE OF THESE FEATURES.



A cross-sectional diagram showing a fiber roll being cut by a 1" square wood stake. The stake is spaced 3-4' on center. The fiber roll has a diameter of 6". The stake is 6" high and 1" wide. The flow of the fiber is indicated by an arrow pointing right. The diagram shows the stake cutting through the fiber roll, creating a split.

GENERAL NOTES:

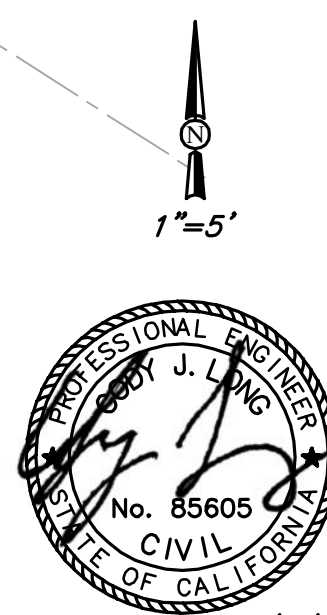
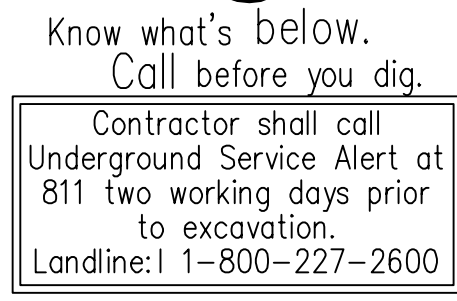
1. THE FILTER FABRIC FENCE SHALL BE INSTALLED TO FOLLOW THE CONTOURS WHERE FEASIBLE.
2. ALL EXCAVATED MATERIAL FROM FILTER FABRIC FENCE INSTALLATION SHALL BE BACK FILLED AND COMPACTED, ALONG THE ENTIRE DISTURBED AREA.
3. BARRIERS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY PROTECTED AND STABILIZED.
4. SEDIMENT SHALL BE REMOVED WHEN IT BUILDS UP TO 1/3 OF THE BARRIER HEIGHT.


NTS

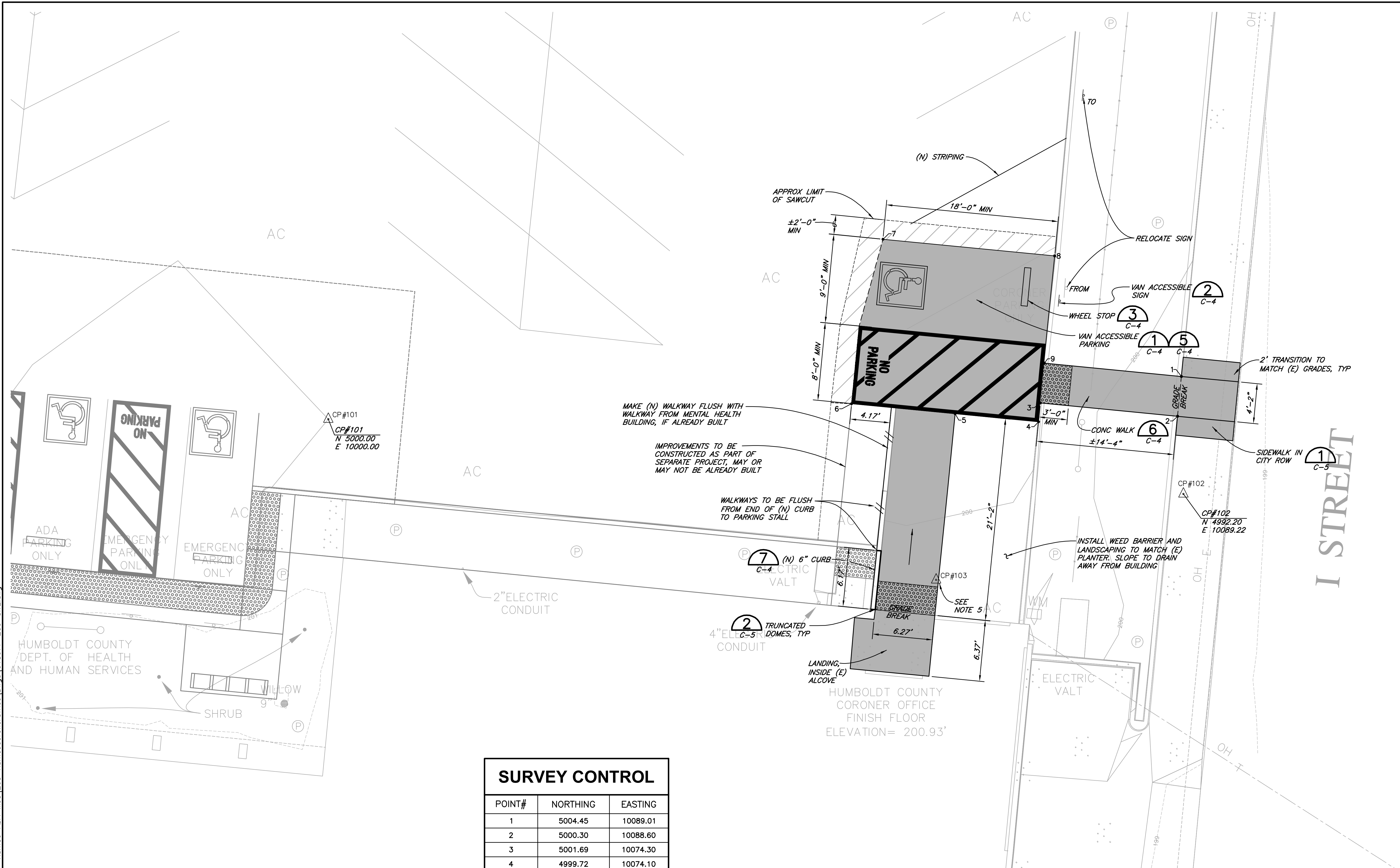
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1. REFER TO SITE LAYOUT PLAN (C-2) FOR DIMENSIONS ASSOCIATED WITH THE LIMITS OF DEMOLITION.
2. EXISTING CONTROL POINTS WILL BE DISTURBED BY DEMOLITION ACTIVITIES. CONTRACTOR IS RESPONSIBLE FOR SETTING NEW CONTROL POINTS AS NEEDED FOR PROJECT LAYOUT.



COUNTY OF HUMBOLDT HUMBOLDT COUNTY CORONER'S OFFICE EUREKA, CALIFORNIA DEMOLITION PLAN	SHEET	C-1	COUNTY OF HUMBOLDT HUMBOLDT COUNTY CORONER'S OFFICE EUREKA, CALIFORNIA DEMOLITION PLAN				DSGN C/L DR C/L/CDN CHK JSO APVD				NO. DATE REVISION BY		 SH&N CONSULTING ENGINEERS & GEOLOGISTS, INC. 812 W. WABASH AVE. EUREKA, CA. 95501 WWW.SHN-ENGR.COM 707-441-8855	VERIFY SCALES BASE IS ONE INCH ON ORIGINAL DRAWING O 1" = 1" NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY	
	SEQ														
	DATE	01/2019													
	PROJ. NO.	018077.200													

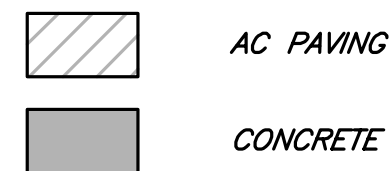


SURVEY CONTROL		
POINT#	NORTHING	EASTING
1	5004.45	10089.01
2	5000.30	10088.60
3	5001.69	10074.30
4	4999.72	10074.10
5	5000.57	10065.40
6	5001.61	10054.59
7	5018.76	10057.87
8	5017.02	10075.78
9	5005.84	10074.72

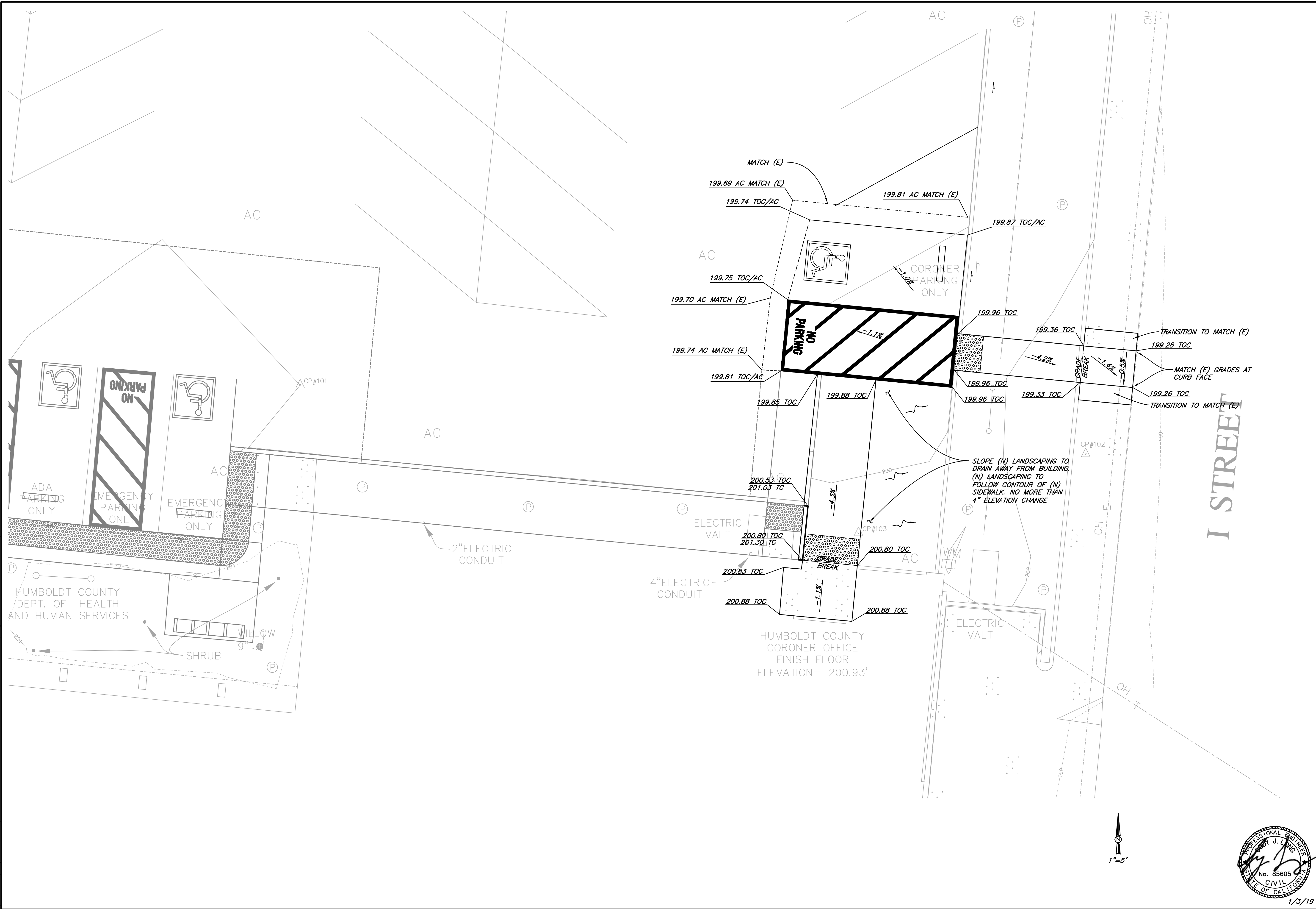
NOTES:

1. MINIMIZE DISTURBANCE TO EXISTING PLANTER BOX AND EXISTING IMPROVEMENTS. SITE SHALL BE RESTORED TO PRE-PROJECT CONDITIONS AFTER CONSTRUCTION OF IMPROVEMENTS ARE COMPLETE.
2. LANDINGS, PARKING SPACES AND ACCESS AISLES NOT TO EXCEED 2% SLOPE IN ANY DIRECTION.
3. CONCRETE WALKS SHALL NOT EXCEED 2% CROSS SLOPE AND 5% SLOPE IN THE DOWNHILL DIRECTION.
4. IF CONTRACTOR DETERMINES MINIMUM/MAXIMUM SLOPES CANNOT BE ACHIEVED, NOTIFY OWNER AND ENGINEER IMMEDIATELY.
5. CONTRACTOR IS RESPONSIBLE FOR SETTING NEW CONTROL POINTS AS NEEDED PRIOR TO DEMOLITION.

LEGEND

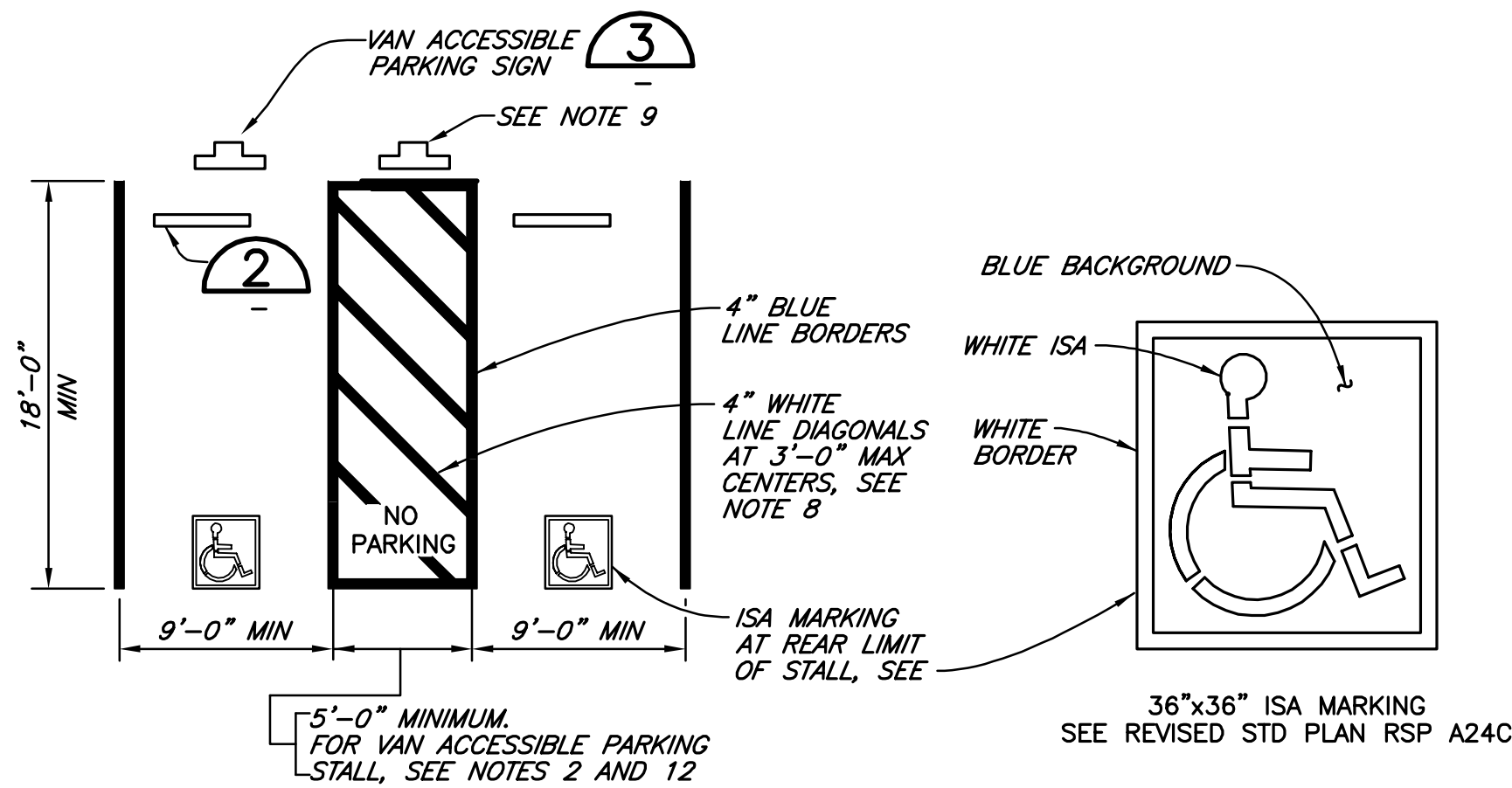


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O IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY		812 W. WABASH AVE. EUREKA, CA. 95501		DATE	
				NO.	
DSGN CUL		COUNTY OF HUMBOLDT		SHEET	
DR CUL/CDN		HUMBOLDT COUNTY CORONER'S OFFICE ADA UPGRADES		C-3	
CHK JSO		EUREKA, CALIFORNIA		SEQ	
APVD		GRADING AND DRAINAGE PLAN		DATE 01/2019	
				PROJ. NO. 018077.200	

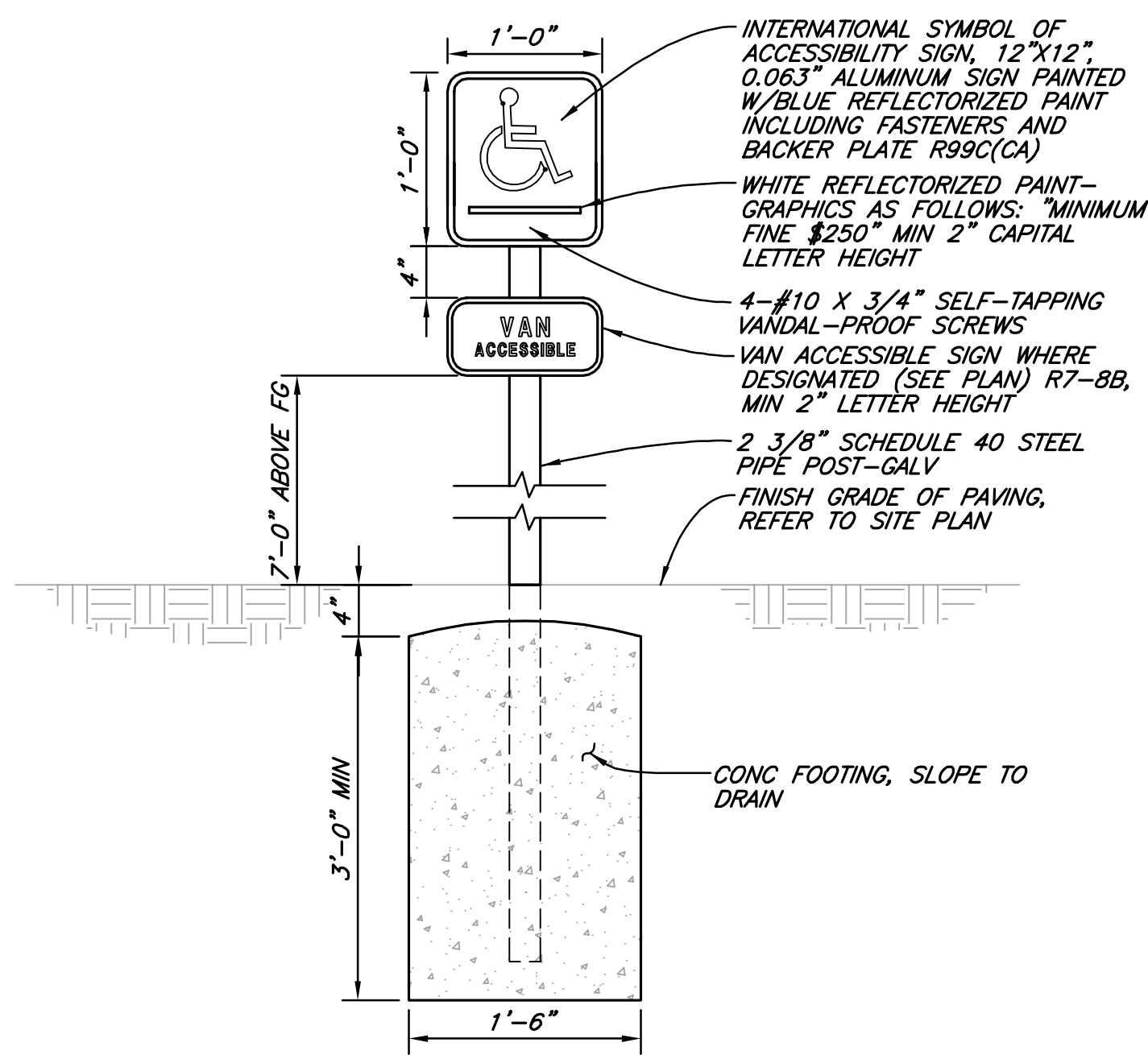
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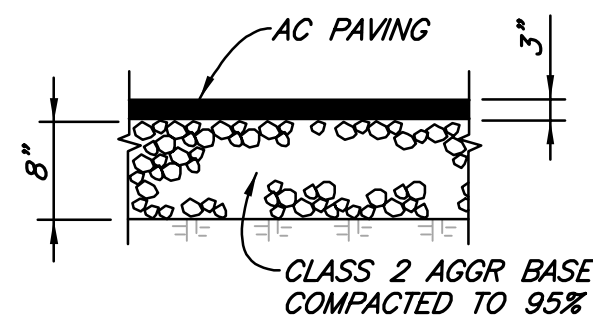
DETAIL 1
 NTS C-2
 (ADA PARKING STALLS)

NOTES:

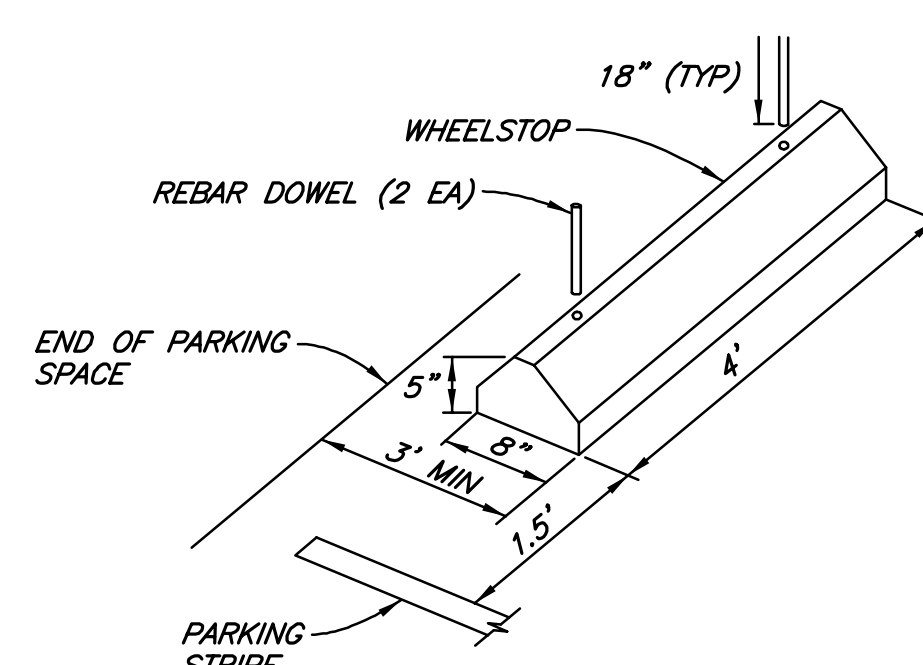
1. ACCESSIBLE PARKING SPACES SERVING A PARTICULAR BUILDING SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE ENTRANCE. IN PARKING FACILITIES THAT DO NOT SERVE A PARTICULAR BUILDING, ACCESSIBLE PARKING SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL TO AN ACCESSIBLE PEDESTRIAN ENTRANCE OF THE PARKING FACILITY.
2. ONE IN EVERY SIX ACCESSIBLE OFF-STREET PARKING STALLS, BUT NOT LESS THAN ONE, SHALL BE SERVED BY AN ACCESSIBLE AISLE OF 8'-0" MINIMUM WIDTH AND SHALL BE SIGNED VAN ACCESSIBLE. THE R7-BB SIGN SHALL BE MOUNTED BELOW THE R99B (CA) PLAQUE OR THE R99C (CA) SIGN.
3. IN EACH PARKING STALL, A CURB OR BUMPER SHALL BE PROVIDED AND LOCATED TO PREVENT ENCROACHMENT OF VEHICLES OVER THE REQUIRED WIDTH OF WALKWAYS. PARKING STALLS SHALL BE SO LOCATED THAT PERSONS WITH DISABILITIES ARE NOT COMPELLED TO WHEEL OR WALK BEHIND PARKED CARS OTHER THAN THEIR OWN.
4. SURFACE SLOPES OF ACCESSIBLE OFF-STREET PARKING STALLS SHALL BE THE MINIMUM POSSIBLE AND SHALL NOT EXCEED 2 PERCENT IN ANY DIRECTION.
5. WHERE PLAQUE R99B (CA), SIGN R99C (CA) OR SIGN R7-BB ARE INSTALLED, THE BOTTOM OF THE SIGN OR PLAQUE PANEL SHALL BE A MINIMUM OF 7'-0" ABOVE THE SURROUNDING SURFACE.
6. CURB RAMPS SHALL CONFORM TO THE DETAILS SHOWN ON REVISED STANDARD PLAN RSP A88A.
7. BLUE PAINT, INSTEAD OF WHITE MAY BE USED FOR MARKING ACCESSIBILITY AISLES IN AREAS WHERE SNOW MAY CAUSE WHITE MARKINGS TO NOT BE VISIBLE.
8. THE WORDS "NO PARKING", SHALL BE PAINTED IN WHITE LETTERS NO LESS THAN 1'-0" HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS. SEE REVISED STANDARD PLAN RSP A90B FOR DETAILS OF THE "NO PARKING" PAVEMENT MARKING.
9. A R100B (CA) SIGN SHALL BE POSTED IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO OFF-STREET PARKING FACILITIES OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL. THE SIGN SHALL INCLUDE THE ADDRESS WHERE THE TOWED VEHICLE MAY BE RECLAIMED AND THE TELEPHONE NUMBER OF THE LOCAL TRAFFIC LAW ENFORCEMENT AGENCY.
10. WHERE A SINGLE (NON-VAN) ACCESSIBLE PARKING SPACE IS PROVIDED, THE LOADING AND UNLOADING ACCESS AISLE SHALL BE ON THE PASSENGER SIDE OF THE VEHICLE AS THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE.
11. WHERE A VAN ACCESSIBLE PARKING SPACE IS PROVIDED, THE LOADING AND UNLOADING ACCESS AISLE SHALL BE 8'-0" WIDE MINIMUM, AND SHALL BE ON THE PASSENGER SIDE OF THE VEHICLE AS THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE.
12. ACCESSIBLE PARKING ONLY SIGN SHALL BE SIGN R99C (CA) OR SIGN R99 (CA) WITH PLAQUE R99B (CA).
13. SLOPE SHALL NOT EXCEED 2% IN ANY DIRECTION.



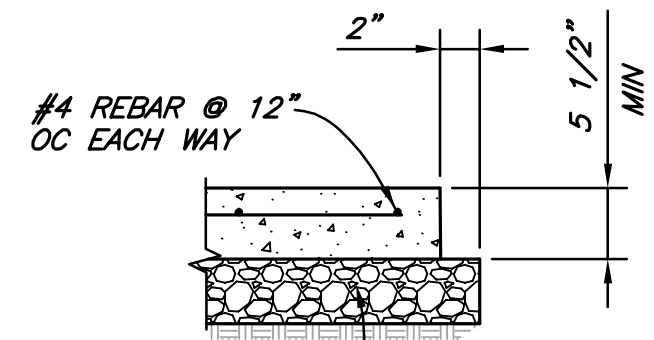
DETAIL 2
 NTS C-2, 4
 (ADA PARKING SIGN)



DETAIL 4
 NTS C-2
 (TYP PAVING STRUCTURAL SECTION)



DETAIL 3
 NTS C-2, 4
 (WHEEL STOP)

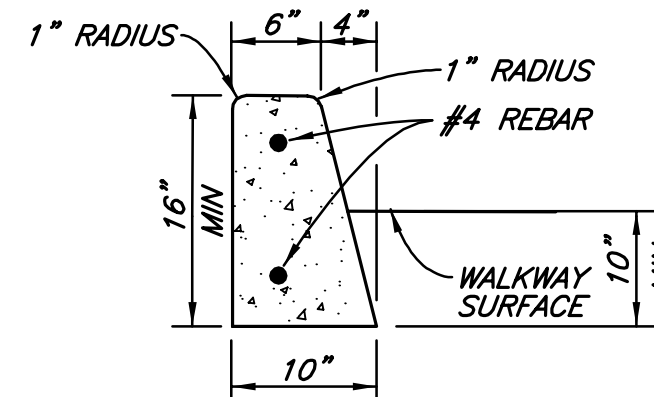


(E) NATIVE SOIL. SCARIFY AND COMPACT TO 90% RELATIVE COMPACTION

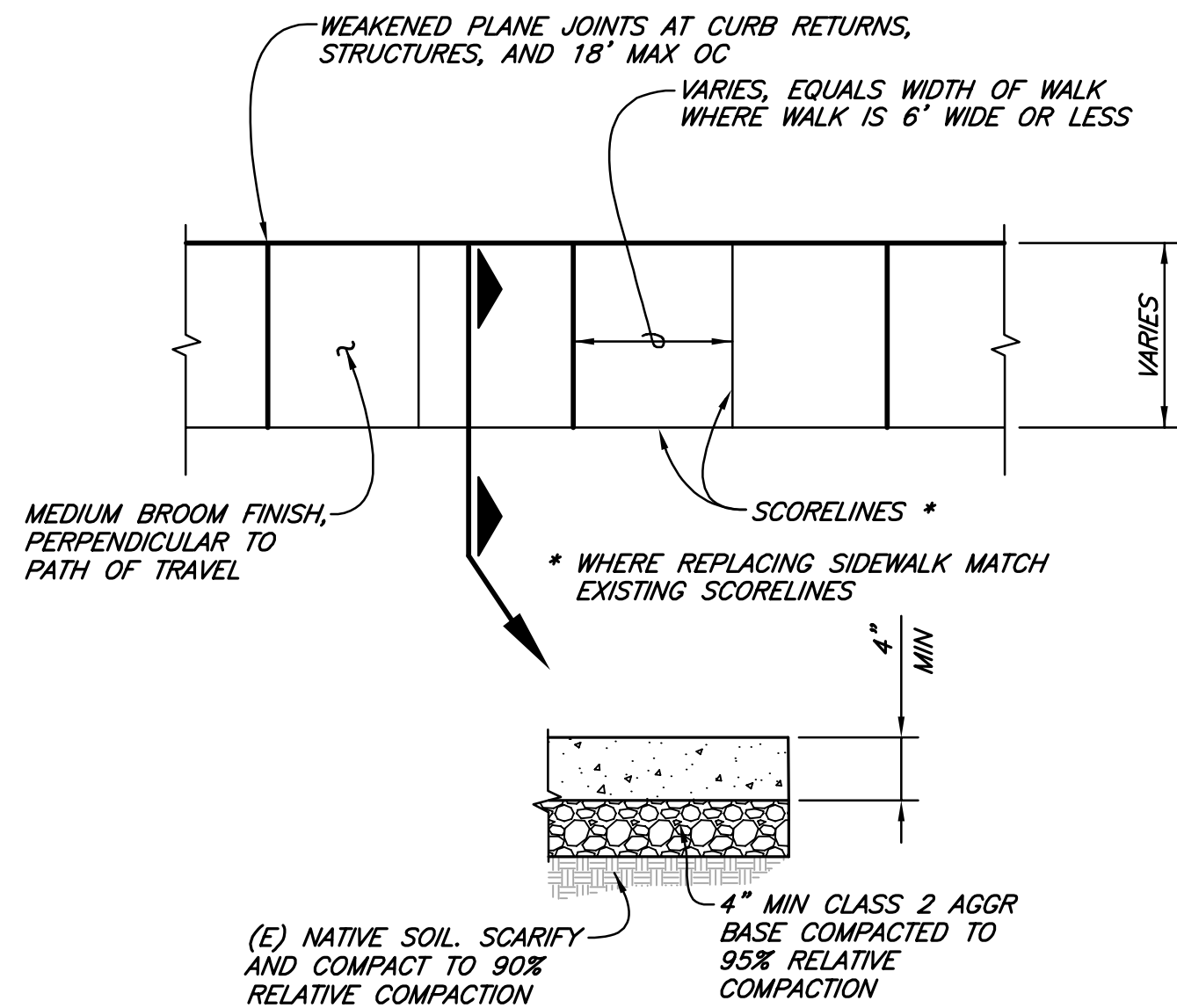
NOTES:

1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI.
2. MAXIMUM SPACING BETWEEN CONTRACTION JOINTS SHALL BE 12 FEET EACH WAY.
3. CONCRETE SHALL HAVE AN AIR CONTENT OF 4% MIN.
4. REINFORCEMENT SHOULD BE INTERRUPTED AT CONTRACTION JOINTS.

DETAIL 5
 NTS C-2
 (CONCRETE PAVING AT PARKING STALLS)



DETAIL 7
 NTS C-2



NOTES:

1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
2. MAXIMUM SPACING BETWEEN CONTRACTION JOINTS SHALL BE 12 FEET EACH WAY.
3. CONCRETE SHALL HAVE AN AIR CONTENT OF 4% MIN.
4. WHERE WALKWAY IS ADJACENT TO ACCESSIBLE PARKING STALL USE #4 REBAR DOWELS AT 18" ON CENTER. DOWELS SHALL EXTEND FULL WIDTH OF WALKWAY.

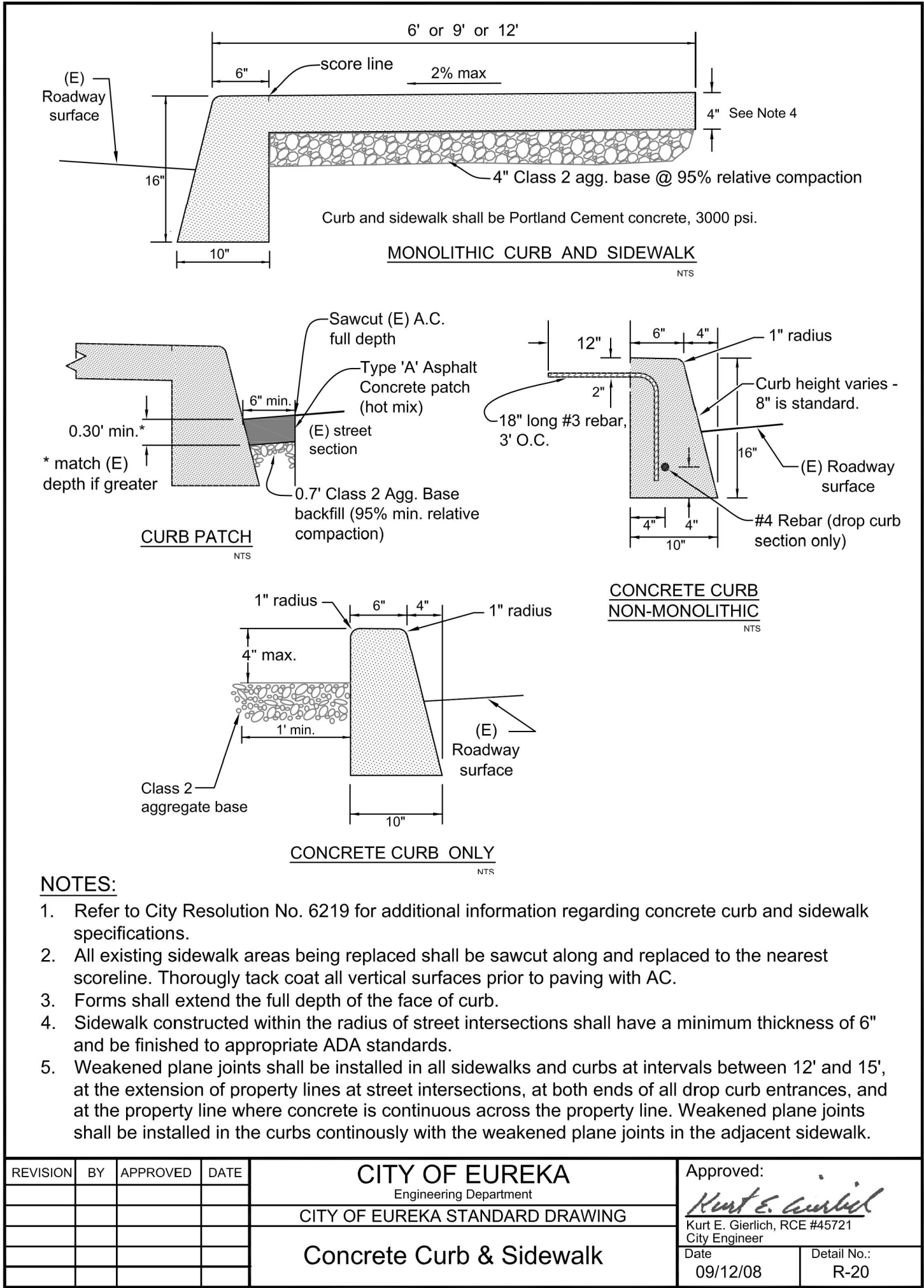
DETAIL 6
 NTS C-2
 (CONCRETE WALKWAY)



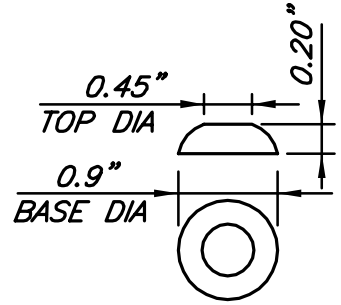
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DR		CUL/CDN		REVISION	
CHK		JSD		DATE	
APVD				NO.	
COUNTY OF HUMBOLDT		HUMBOLDT COUNTY CORONER'S OFFICE		DETAILS	
COUNTY CORONER'S OFFICE		ADA UPGRADES		SHEET	
EUREKA, CALIFORNIA				C-4	
				SEQ	
				DATE	
				01/2019	
				PROJ. NO.	
				018077.200	

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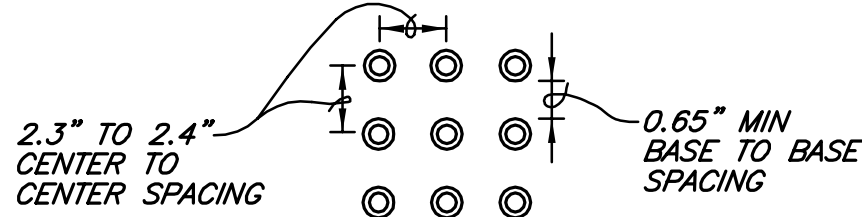
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DETAIL 1
NTS C-2
(CONCRETE CURB & SIDEWALK)



RAISED TRUNCATED DOME

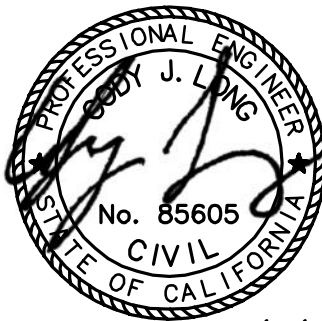


RAISED TRUNCATED DOME PATTERN (IN-LINE)

NOTES:

1. LANDING SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3'-0" DEPTH OF THE RAMP. DETECTABLE WARNING SURFACES SHALL CONFORM TO THE DETAILS ON THIS PLAN AND THE REQUIREMENTS IN THE SPECIAL PROVISIONS.
2. SLOPE ON LANDINGS SHALL NOT EXCEED 1.5% IN ANY DIRECTION.
3. DETECTABLE WARNING SURFACE SHALL BE WET SET IN CONCRETE.

DETAIL 2
NTS C-2
(DETECTABLE WARNING SURFACE)



1/3/19

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				BY			
				REVISION			
				DATE			
				NO.			
DSGN	CJL	DR	CJL/CDN	CHK	JSO	APVD	
COUNTY OF HUMBOLDT HUMBOLDT COUNTY CORONER'S OFFICE ADA UPGRADES EUREKA, CALIFORNIA				DETAILS			
SHEET				C-5			
SEQ							
DATE				01/2019			
PROJ. NO.				018077.200			

A

B

C

D

E

Plumbing Fixture Piping Schedule								
FIXTURE TYPE	MINIMUM BRANCH PIPE SIZE *				CONNECTION SIZE (VERIFY)		WATER USAGE	REMARKS
	WASTE	VENT	COLD WATER	HOT WATER	COLD WATER	HOT WATER		
WATER CLOSET (FLUSH VALVE)	4"	2"	1 1/4"	—	1"	—	1.28 GPF	
LAVATORY	2"	1 1/2"	3/4"	3/4"	1/2"	1/2"	0.5 GPM	1 1/2" TRAP & TRAP ARM. INSTALL CLEANOUT IN TRAP.
* TO WITHIN 5 FEET OF FIXTURE OR CLOSER ** TRAP PRIMER								

	W.	SOIL OR WASTE PIPING ABOVE FLOOR
	W.	SOIL OR WASTE PIPING BELOW GRADE/FLOOR
	RWL	RAINWATER LEADER PIPING
	V.	VENT PIPING
	CW	COLD WATER PIPING
	HW	HOT WATER PIPING
	HWR	HOT WATER RETURN PIPING
	G.	GAS PIPING
	CD	CONDENSATE DRAIN PIPING
	F.	FIRE PIPING
	FD, RD	FLOOR DRAIN, ROOF DRAIN
	COTG, FCO	CLEANOUT TO GRADE, FLOOR CLEANOUT
	WCO	WALL CLEANOUT
	CO	CLEANOUT
	VTR	VENT THROUGH ROOF
	WC	WATER CLOSET
	①	DESIGNATION OF SHEET NOTE #1
	(E)	EXISTING
	(N)	NEW
	TYP.	TYPICAL
	GAS	GAS COCK
	G.V.	GATE VALVE
	B.V.	BALL VALVE
	CH. V.	CHECK VALVE
		STRAINER

Plumbing Legend

A

B

C

D

E

SEAL:

CONSULTANT:

LEFLER ENGINEERING, INC.
1651 Second Street
San Rafael, CA 94901
(415) 456-4220
(415) 456-1248 fax

BrokawDesign

P.O. BOX 3103
ROHNERT PARK, CA 94927
WWW.BROKAWDESIGN.COM

PROJECT:

**CORONER'S
OFFICE
ACCESSIBILITY
IMPROVEMENTS**

720 WOOD STREET
EUREKA, CA 95502

SHEET NAME:

**PLUMBING
SCHEDULES,
DETAILS AND
LEGEND**

ISSUE DATE:

PREPARATION AND REVIEW

DRAWN BY:

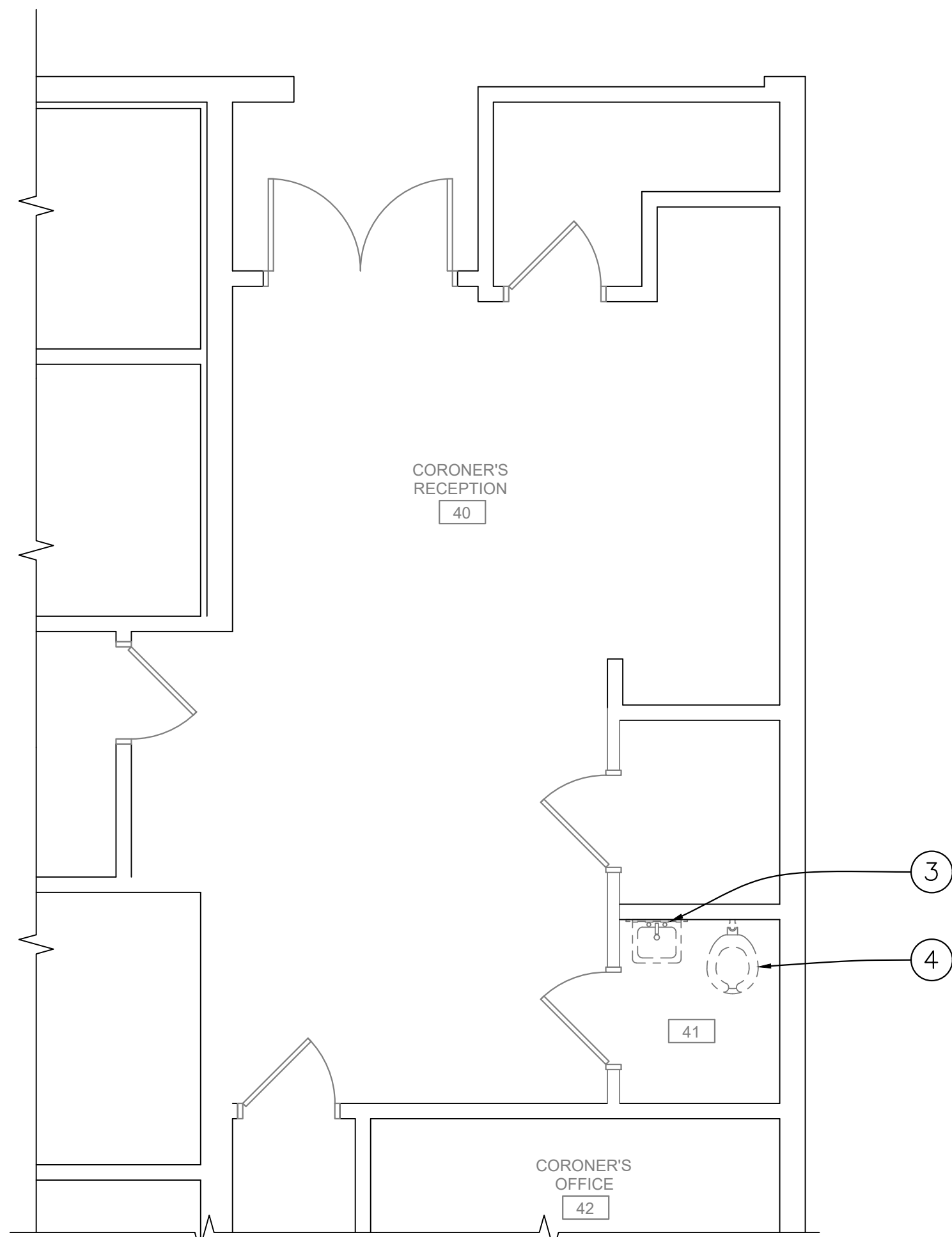
DESIGNER:

PROJ MGR:


PEER REVIEW:

SHEET NUMBER:

P101

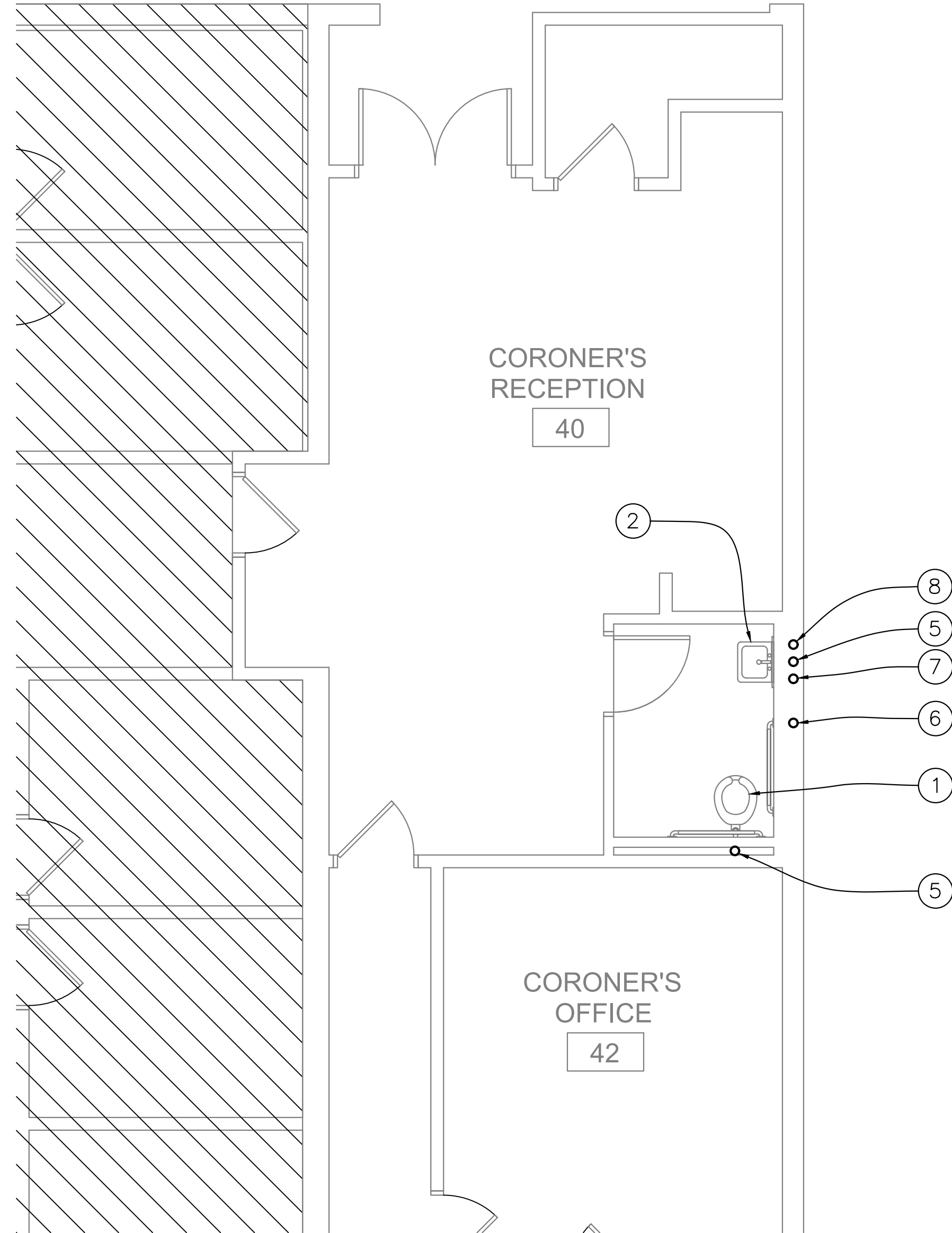


PARTIAL DEMO FLOOR PLAN - AREA A




1/4" = 1'-0"

1



PARTIAL NEW FLOOR PLAN - AREA A



1/4" = 1'-0"

2

- Sheet Notes
1.

INSTALL NEW WC. CONNECT 4" W., 2" V., AND 1/2" CW.
2.

INSTALL NEW LAV. CONNECT 2" W., 1 1/2" V., 1/2" HW AND 1/2" CW.
3.

DEMOLISH EXISTING LAV. CAP ALL PIPING CONCEALED BELOW FLOOR/WALL. VERIFY EXACT LOCATION.
4.

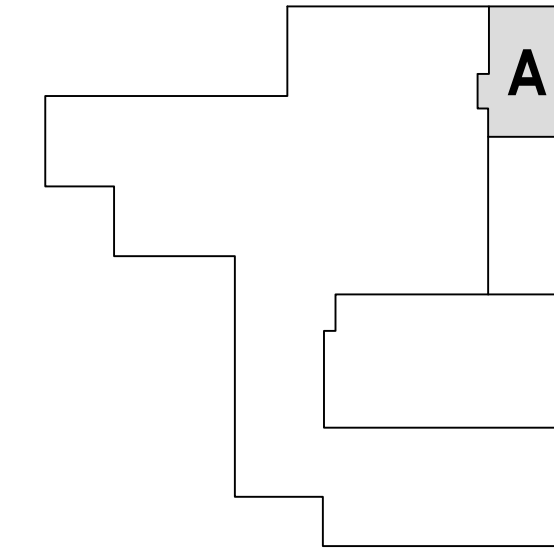
DEMOLISH EXISTING WC. CAP ALL PIPING CONCEALED BELOW FLOOR/WALL. VERIFY EXACT LOCATION.
5.

CONNECT THE NEW WASTE PIPING SYSTEM TO EXISTING WASTE PIPE. VERIFY EXACT LOCATION.
6.


COLLECT ALL VENT PIPING AND RUN VTR.
7.

VERIFY EXACT LOCATION OF 1 1/2" EXISTING COLD WATER PIPE TO CONNECT TH E NEW COLD WATER PIPING.
8.


RUN NEW 1/2" HW. TO CONNECT TO NEAREST 3/4" OR LARGER HW. PIPE.



SEAL:



CONSULTANT:



LEFLER ENGINEERING, INC.
1651 Second Street
San Rafael, CA 94901
(415) 456-4220
(415) 456-1248 fax

BrokawDesign

P.O. BOX 3103
ROHNERT PARK, CA 94927
WWW.BROKAWDESIGN.COM

PROJECT:

CORONER'S
OFFICE
ACCESSIBILITY
IMPROVEMENTS

720 WOOD STREET
EUREKA, CA 95502

SHEET NAME:

PLUMBING DEMO
AND
NEW FLOOR
PLAN

ISSUE DATE:

PREPARATION AND REVIEW

DRAWN BY:

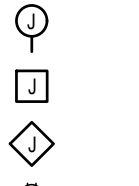
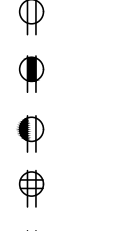
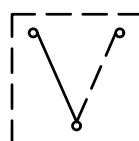
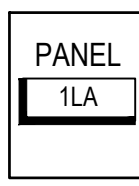
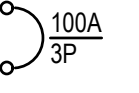

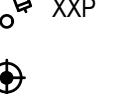



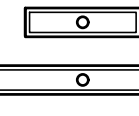

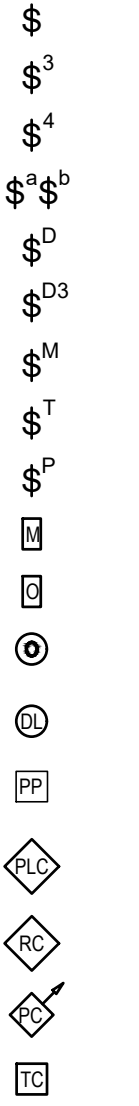
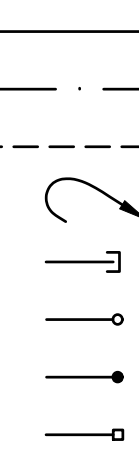
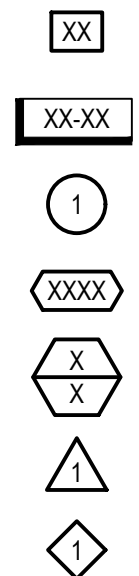
DESIGNER:

PROJ MGR:

PEER REVIEW:

SHEET NUMBER:

P201

	1	2	3	4	5
		DEVICES	DIAGRAMS	ABBREVIATIONS	ELECTRICAL SHEET INDEX
A		<div><div></div><div>JUNCTION BOX - WALL MOUNTED +18" A.F.F. U.O.N. JUNCTION BOX - FLOOR MOUNTED JUNCTION BOX - CEILING MOUNTED</div></div> <div><div></div><div>POWER OUTLET, DUPLEX - WALL MOUNTED +18" A.F.F. U.O.N. POWER OUTLET, DEDICATED DUPLEX - WALL MOUNTED +18" A.F.F. U.O.N. POWER OUTLET, SWITCHED DUPLEX - +18" A.F.F. U.O.N. POWER OUTLET, FOURPLEX - WALL MOUNTED +18" A.F.F. U.O.N. POWER OUTLET, DEDICATED FOURPLEX - WALL MOUNTED +18" A.F.F. U.O.N. POWER OUTLET, SIMPLEX - WALL MOUNTED +18" A.F.F. U.O.N. POWER OUTLET, DEDICATED SIMPLEX - WALL MOUNTED +18" A.F.F. U.O.N. POWER OUTLET, DUPLEX - FLOOR MOUNTED, FLUSH LID U.O.N. POWER OUTLET, DEDICATED DUPLEX - FLOOR MOUNTED, FLUSH LID U.O.N. POWER OUTLET, FOURPLEX - FLOOR MOUNTED, FLUSH LID U.O.N. POWER OUTLET, DEDICATED FOURPLEX - FLOOR MOUNTED, FLUSH LID U.O.N. POWER OUTLET, DUPLEX - CEILING MOUNTED POWER OUTLET, DEDICATED DUPLEX - CEILING MOUNTED POWER OUTLET, FOURPLEX - CEILING MOUNTED POWER OUTLET, DEDICATED FOURPLEX - CEILING MOUNTED DATA OUTLET - WALL MOUNTED +18" A.F.F. U.O.N. VOICE OUTLET - WALL MOUNTED +18" A.F.F. U.O.N. VOICE/DATA OUTLET - WALL MOUNTED +18" A.F.F. U.O.N. WIREMOLD DOOR CONTACT</div></div>	<div><div></div><div>ATS ATS</div></div> <div><div></div><div>PANEL PANEL</div></div> <div><div></div><div>CIRCUIT BREAKER</div></div> <div><div></div><div>FUSE</div></div> <div><div></div><div>UTILITY FUSE</div></div> <div><div></div><div>GROUND ROD</div></div> <div><div></div><div>METER</div></div> <div><div></div><div>METER CT</div></div>	<div><div>A</div><div>AMPERES</div></div> <div><div>AC</div><div>ALTERNATING CURRENT</div></div> <div><div>AF</div><div>AMP FRAME</div></div> <div><div>AFD</div><div>ADJUSTABLE FREQUENCY DRIVE</div></div> <div><div>A.F.F.</div><div>ABOVE FINISHED FLOOR</div></div> <div><div>AFG</div><div>ABOVE FINISHED GRADE</div></div> <div><div>AHJ</div><div>AUTHORITY HAVING JURISDICTION</div></div> <div><div>AHU</div><div>AIR HANDLING UNIT</div></div> <div><div>AIC</div><div>AMPS INTERRUPTING CAPACITY</div></div> <div><div>AL</div><div>ALUMINUM</div></div> <div><div>ANN</div><div>ANNUNCIATOR</div></div> <div><div>APPROX</div><div>APPROXIMATE</div></div> <div><div>ARF</div><div>ABOVE RAISED FLOOR</div></div> <div><div>ATS</div><div>AUTOMATIC TRANSFE SWITCH</div></div> <div><div>AWG</div><div>AMERICAN WIRE GAUGE</div></div> <div><div>BAT</div><div>BATTERY</div></div> <div><div>BFG</div><div>BELOW FINISH GRADE</div></div> <div><div>CATV</div><div>CABLE TELEVISION</div></div> <div><div>C</div><div>CENTERLINE</div></div> <div><div>C, CND</div><div>CONDUIT</div></div> <div><div>CB</div><div>CIRCUIT BREAKER</div></div> <div><div>CCTV</div><div>CLOSED CIRCUIT TELEVISION</div></div> <div><div>CKT</div><div>CIRCUIT</div></div> <div><div>CO</div><div>CONDUIT ONLY</div></div> <div><div>COMM</div><div>COMMUNICATIONS</div></div> <div><div>CONST</div><div>CONSTRUCTION</div></div> <div><div>CONT</div><div>CONTINUED</div></div> <div><div>CP</div><div>CONTROL PANEL</div></div> <div><div>CPT</div><div>CONTROL POWER TRANSFORMER</div></div> <div><div>CS</div><div>CONTROLLED SWITCHED RECEPTACLE</div></div> <div><div>CT</div><div>CURRENT TRANSFORMER</div></div> <div><div>CU</div><div>COPPER</div></div> <div><div>DC</div><div>DIRECT CURRENT</div></div> <div><div>(D)</div><div>DEMOLITION</div></div> <div><div>DWG</div><div>DRAWING</div></div> <div><div>(E)</div><div>EXISTING</div></div> <div><div>EA</div><div>EACH</div></div> <div><div>EF</div><div>EXHAUST FAN</div></div> <div><div>EGU</div><div>ENGINE GENERATOR UNIT</div></div> <div><div>EM</div><div>EMERGENCY LIGHT W/BATTERY BACKUP</div></div> <div><div>EMT</div><div>ELECTRICAL METALLIC CONDUIT</div></div> <div><div>ENT</div><div>ELECTRICAL NON-METALLIC CONDUIT</div></div> <div><div>EP</div><div>EXPLOSION PROOF</div></div> <div><div>EQ</div><div>EQUAL</div></div> <div><div>EQUIV</div><div>EQUIVALENT</div></div> <div><div>EW</div><div>ELECTRIC WATER COOLER</div></div> <div><div>(F)</div><div>FUTURE</div></div> <div><div>FA</div><div>FIRE ALARM</div></div> <div><div>FACP</div><div>FIRE ALARM CONTROL PANEL</div></div> <div><div>FC</div><div>FAN COIL</div></div> <div><div>FDR</div><div>FEEDER</div></div> <div><div>FLUOR</div><div>FLUORESCENT</div></div> <div><div>FU</div><div>FUSE</div></div> <div><div>G, GND</div><div>GROUND</div></div> <div><div>GFCI</div><div>GROUND FAULT CIRCUIT INTERRUPTER</div></div> <div><div>GFI</div><div>GROUND FAULT INTERRUPTER</div></div> <div><div>GFR</div><div>GROUND FAULT RELAY</div></div> <div><div>HID</div><div>HIGH INTENSITY DISCHARGE</div></div> <div><div>HO</div><div>CONTROL SWITCH, "HAND - OFF"</div></div> <div><div>HOA</div><div>CONTROL SWITCH, "HAND - OFF- AUTO"</div></div> <div><div>HOR</div><div>CONTROL SWITCH, "HAND - OFF- REMOTE"</div></div> <div><div>HP</div><div>HORSE POWER</div></div> <div><div>HPS</div><div>HIGH PRESSURE SODIUM</div></div> <div><div>HV</div><div>HIGH VOLTAGE</div></div> <div><div>HVAC</div><div>HEATING, VENTILATION & AIR-COND.</div></div> <div><div>IG</div><div>INTERRUPTING CAPACITY</div></div> <div><div>IG</div><div>ISOLATED GROUND</div></div> <div><div>IIMC</div><div>INTERMEDIATE METAL CONDUIT</div></div> <div><div>JB</div><div>JUNCTION BOX</div></div> <div><div>KV</div><div>KILO VOLT</div></div> <div><div>KVA</div><div>KILO VOLT-AMP</div></div> <div><div>KW</div><div>KILO WATT</div></div> <div><div>KWH</div><div>KILO WATT-HOUR</div></div> <div><div>LPS</div><div>LOW PRESSURE SODIUM</div></div> <div><div>LTG</div><div>LIGHTING</div></div> <div><div>LV</div><div>LOW VOLTAGE</div></div> <div><div>MAX</div><div>MAXIMUM</div></div> <div><div>MC</div><div>METAL-CLAD</div></div> <div><div>MCC</div><div>MOTOR CONTROL CENTER</div></div> <div><div>MCP</div><div>MOTOR CIRCUIT PROTECTOR</div></div> <div><div>MFR, MFR</div><div>MANUFACTURER</div></div> <div><div>MH</div><div>METAL HALIDE</div></div> <div><div>MIN</div><div>MINIMUM</div></div> <div><div>MLO</div><div>MAIN LUGS ONLY</div></div> <div><div>MDP</div><div>MAIN DISTRIBUTION BOARD</div></div> <div><div>MSB</div><div>MAIN SWITCHBOARD</div></div> <div><div>MTD</div><div>MOUNTED</div></div> <div><div>MTS</div><div>MANUAL TRANSFER SWITCH</div></div> <div><div>MV</div><div>MEDIUM VOLTAGE</div></div> <div><div>(N)</div><div>NEW</div></div> <div><div>N, NEUT</div><div>NEUTRAL</div></div> <div><div>N/A</div><div>NOT APPLICABLE</div></div> <div><div>NC</div><div>NORMALLY CLOSED</div></div> <div><div>NIC</div><div>NOT IN CONTRACT</div></div> <div><div>NL</div><div>NIGHT LIGHT</div></div> <div><div>NO</div><div>NORMALLY OPEN</div></div> <div><div>NTS</div><div>NOT TO SCALE</div></div> <div><div>OC</div><div>ON CENTER</div></div> <div><div>PNL</div><div>PANEL</div></div> <div><div>PT</div><div>POTENTIAL TRANSFORMER</div></div> <div><div>PVC</div><div>POLYVINYL CHLORIDE</div></div> <div><div>PB</div><div>PULL BOX, ELECTRICAL</div></div> <div><div>(R)</div><div>RELOCATE</div></div> <div><div>RECP</div><div>RECEPTACLE, OUTLET</div></div> <div><div>REQ</div><div>REQUIRED</div></div> <div><div>RGS, RSG</div><div>RIGID GALVANIZED STEEL CONDUIT</div></div> <div><div>RTU</div><div>REMOTE TERMINAL UNIT</div></div> <div><div>SP</div><div>SPACE, SPARE</div></div> <div><div>SS</div><div>STAINLESS STEEL</div></div> <div><div>STD</div><div>STANDARDS, APPLICABLE</div></div> <div><div>SW</div><div>SWITCH</div></div> <div><div>SWBD</div><div>SWITCHBOARD</div></div> <div><div>SWGR</div><div>SWITCHGEAR</div></div> <div><div>TP</div><div>TAMPER PROOF</div></div> <div><div>TV</div><div>TELEVISION</div></div> <div><div>TVSS</div><div>TRANSIENT VOLT. SURGE SUPPRESSOR</div></div> <div><div>TYP</div><div>TYPICAL</div></div> <div><div>UF</div><div>UNDER FLOOR</div></div> <div><div>UG</div><div>UNDER GROUND</div></div> <div><div>U.O.N.</div><div>UNLESS OTHERWISE NOTED</div></div> <div><div>UPS</div><div>UNINTERRUPTABLE POWER SUPPLY</div></div> <div><div>V</div><div>VOLT</div></div> <div><div>VA</div><div>VOLT-AMP</div></div> <div><div>VFD</div><div>VARIABLE FREQUENCY DRIVE</div></div> <div><div>WI</div><div>WITH</div></div> <div><div>W/O</div><div>WITHOUT</div></div> <div><div>WH</div><div>WATER HEATER</div></div> <div><div>WHM</div><div>WATT-HOUR METER</div></div> <div><div>WP</div><div>WEATHER PROOF</div></div>	<div>E001 ELECTRICAL LEGEND AND ABBREVIATIONS</div> <div>E002 ELECTRICAL SHEET SPECIFICATIONS</div> <div>E101 ELECTRICAL PLAN</div>
		LIGHTING	EQUIPMENT		
		<div><div></div><div>LIGHT FIXTURE, 1 x 4 - SURFACE MOUNTED LIGHT FIXTURE, 1 x 8 - SURFACE MOUNTED</div></div>	<div><div></div><div>DISCONNECT, NON-FUSED DISCONNECT, WITH FUSE STARTER, NON-FUSED STARTER, WITH FUSE DIVISION 15 FAN STARTER, WITH CIRCUIT BREAKER PANELBOARD FLUSH PANELBOARD SURFACE ENCLOSURE FLUSH ENCLOSURE SURFACE DISTRIBUTION BOARD METER SECTION MOTOR</div></div>		
		CONTROLS			
		<div><div></div><div>SWITCH, SINGLE CONTROL - WALL MOUNTED +42" A.F.F. U.O.N. SWITCH, 3-WAY CONTROL - WALL MOUNTED +42" A.F.F. U.O.N. SWITCH, 4 WAY CONTROL - WALL MOUNTED +42" A.F.F. U.O.N. SWITCH, DUAL LEVEL CONTROL - WALL MOUNTED +42" A.F.F. U.O.N. SWITCH, DIMMER CONTROL - WALL MOUNTED +42" A.F.F. U.O.N. SWITCH, 3 WAY DIMMER CONTROL - WALL MOUNTED +42" A.F.F. U.O.N. SWITCH, MOTOR RATED - NOTED MOUNTING SWITCH, TIMER - WALL MOUNTED +42" A.F.F. U.O.N. SWITCH, WITH PILOT LIGHT - WALL MOUNTED +42" A.F.F. U.O.N. SWITCH, MASTER CONTROL - WALL MOUNTED +42" A.F.F. U.O.N. SWITCH, OCCUPANCY SENSOR CONTROL - WALL MOUNTED +42" A.F.F. U.O.N. SWITCH, OCCUPANCY SENSOR CONTROL - CEILING MOUNTED SWITCH, DAYLIGHTING SENSOR CONTROL - CEILING MOUNTED OCCUPANCY SENSOR POWER PACK PLUG LOAD CONTROLLER ROOM CONTROLLER SWITCH, PHOTO CELL TIME CLOCK</div></div>			
		CIRCUITING	MISCELLANEOUS		
		<div><div></div><div>ELECTRICAL CIRCUIT - CONCEALED ELECTRICAL CIRCUIT - EXPOSED ELECTRICAL CIRCUIT - UNDER FLOOR, GROUND OR SLAB ELECTRICAL CIRCUIT - HOME RUN ELECTRICAL CIRCUIT - STUB OUT ELECTRICAL CIRCUIT - STUB DOWN ELECTRICAL CIRCUIT - STUB UP ELECTRICAL CIRCUIT - COMPLETE CONNECTION OF EQUIPMENT OR DEVICE</div></div>	<div><div></div><div>DEMO KEYED NOTE TAG ELECTRICAL EQUIPMENT TAG KEYED NOTE TAG LIGHT FIXTURE TAG MECHANICAL EQUIPMENT TAG REVISION DELTA EQUIPMENT MANUFACTURER'S IDENTIFICATION NUMBER</div></div>		

REVISION SCHEDULE

NO.	DESCRIPTION	DATE

SEAL:



CONSULTANT:

BrokawDesign

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P.O. BOX 3103
ROHNERT PARK, CA 94927
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PROJECT:

CORONER'S
OFFICE
ACCESSIBILITY
IMPROVEMENTS

720 WOOD STREET
EUREKA, CA 95502

ELECTRICAL LEGEND NOTES

A.

ALL HEIGHTS ARE TO CENTERLINE OF DEVICE

B.

FOLLOW ALL ADA REQUIREMENTS:

- MAX UNOBSTRUCTED FORWARD REACH 48-INCHES TO TOP OF DEVICE.
- MIN UNOBSTRUCTED FORWARD REACH 15-INCHES TO BOTTOM OF DEVICE.
- MAX OBSTRUCTED FORWARD REACH 44-INCHES TO TOP OF DEVICE.
- MAX OBSTRUCTED SIDE REACH 46-INCHES TO TOP OF DEVICE.

ISSUE DATE:

10-22-2018

PREPARATION AND REVIEW

DRAWN BY:

MOB

DESIGNER:

MOB

PROJ MGR:

CLB

PEER REVIEW:

CAC

SHEET NAME:

ELECTRICAL
LEGEND AND
ABBREVIATIONS

ISSUE DATE:

10-22-2018

PREPARATION AND REVIEW

DRAWN BY:

MOB

DESIGNER:

MOB

PROJ MGR:

CLB

PEER REVIEW:

CAC

SHEET NUMBER:

E001

ELECTRICAL GENERAL NOTES

- 1.01- RELATED DOCUMENTS
- A. The General Conditions, Supplementary Conditions and Division 1 apply to the electrical work.
- 1.02 - WORK INCLUDES
- A. Work included in this section: All materials, labor, equipment, services, and incidentals necessary to install the Electrical Work as shown on the drawings and as specified hereinafter, including, but not limited to the following:
1. Branch circuit wiring, wiring devices and connections to all equipment requiring electrical service.
 2. Lighting fixtures with hangers, anchors and supports. Lighting Controls.
 3. Electrical equipment grounding system.
 4. Mechanical equipment power and control connections as stated in the mechanical and electrical specifications and as shown on the mechanical and electrical drawings.
 5. Sleeves, inserts and blocking in cast concrete as required for work in this section.
 6. All required incidental work, such as excavating and backfilling, roof flashing, and testing.
 7. Any other electrical work as might reasonably be implied as required, even though not specifically mentioned herein or shown on the drawings.

- 1.03 - INCORPORATED DOCUMENTS
- A. Requirements of the General Conditions, Supplementary Conditions, and Division 1. Sections apply to all work in this Section, unless modified herein.
- B. Published specifications, standard tests or recommended methods of trade, industry or government organizations apply to work of this Section where cited by abbreviations noted below, unless modified herein.
1. National Electrical Code, latest edition, (NEC).
 2. NEMA standards
 3. Underwriters' Laboratories, Inc. (UL).
 4. Local Utility Company regulations.
 5. National Fire Protection Association (NFPA)
 6. California Administrative Code (CAC)
- C. All State and Municipal Codes and Ordinances recognized by the Authority Having Jurisdiction, including but not limited to:
1. Latest Edition - BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE C.C.R.
 2. Latest Edition - CALIFORNIA BUILDING CODE (CBR), PART 2, TITLE 24 C.C.R.
 3. Latest Edition - CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
 4. Latest Edition - CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
 5. Latest Edition - CALIFORNIA HISTORICAL BUILDING CODE, PART 8, TITLE 24 C.C.R.
 6. Latest Edition - CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
 7. Latest Edition - CALIFORNIA REFERENCE STANDARDS, PART 12, TITLE 24 C.C.R.
 8. Latest Edition - TITLE 19 C.C.R.

- 1.05 - QUALITY ASSURANCE
- A. Conformance:
1. All work shall conform to the applicable requirements of Article 1.03 above.
 2. The Contractor shall notify the Architect, prior to submission of bid, about any part of the design which fails to comply with abovementioned requirements.
 3. If after contract is awarded, minor changes and additions are required by aforementioned authorities, even though such work is not shown on drawings or covered in specifications, they shall be included at Contractor's expense.
- B. Coordination:
1. The Contractor shall become familiar with the conditions at the job site, and with the drawings and specifications and plan the installation of the electrical work to conform with the existing conditions and that shown and specified so as to provide the best possible assembly of the combined work of all trades.
 2. The Contractor shall work out in advance all "tight" conditions, involving all trades and if found necessary, supplementary drawings shall be prepared by this Contractor, for the Architect's approval, before work proceeds in these areas. No additional costs will be considered for work which must be relocated due to conflicts with the work of other trades.

- 1.06 - SUBMITTALS
- A. Product Data:
1. Comply with the General Provisions of the Contract.
 2. Within 15 days after award of the Contract, submit:
 - a. Complete material list of all items proposed to be furnished and installed under this Section, including but not limited to the following items: Circuit breakers, lighting fixtures, conduit, devices, enclosures, etc.
 - b. Manufacturers' specifications and other data required to demonstrate compliance with the specified requirements.
 - c. Manufacturers' recommended installation procedures which, when approved by the Architect, shall become the basis for inspecting and accepting or rejecting actual installation procedures used on the work.
 3. Shop Drawings: Furnish shop drawings and/or equipment cuts for the following:
 - a. Light Fixtures
 - b. Switchboard
 - c. Panelboards
 - d. Disconnect Switches
 - e. Lamps
 - f. Ballasts
 - g. Lighting Control System
 - h. Switches, receptacles and faceplates.
 4. Test Reports:
 - a. Factory Tests where indicated for specific equipment.
 - b. Field Tests: Performance tests as specified for specific equipment.
 - c. When series rated circuit breakers are used, provide a letter from the manufacturer of the equipment confirming that U.L. series rating exists for all protective devices. State the available fault current from the Utility Company and indicate that the overcurrent devices exceed the available fault current at the respective point of protection.

- 1.07- MATERIALS
- A. Materials of the same type or classification, used for the same purpose, shall be the product of the same manufacturer.

- 1.08 - ACCEPTABLE MANUFACTURERS
- A. Materials shall be of make mentioned elsewhere in this specification. All materials shall be the best of their several kinds, perfectly new and approved by the Underwriters' Laboratories.

- B. Where material, equipment, apparatus or other products are specified by manufacturer, brand name, type or catalog number, such designation is to establish standards of desired quality, style and utility and shall be the basis of the bid. Materials so specified shall be furnished under the contract unless changed by written approval of the Owner's Representative. Where two or more designations are listed, choice shall be optional with this Contractor, but this Contractor must submit his choice for final approval.

- 1.09 - DELIVERY, STORAGE AND HANDLING
- A. Protection: Use all means necessary to protect the materials of this Section before, during, and after installation and to protect the work and materials of all trades.
- B. Delivery and Storage: Deliver all materials to the job site in their original containers with all labels intact and legible at time of use. Store in strict accordance with approved manufacturers' recommendations.
- C. Replacements: In the event of damage, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost to the Owner.
- D. This Contractor shall personally, or through an authorized representative, check all materials upon receipt at jobsite for conformance with approved shop drawings and/or plans and specifications.

- 1.10 - SCHEDULING/SEQUENCING
- A. Place orders for all equipment in time to prevent any delay in construction schedule or completion of project. If any materials or equipment are not ordered in time, additional charges made by equipment manufacturers to complete their equipment in time to meet the construction schedule, together with any special handling charges, shall be borne by this Contractor.

- 1.11 - REQUIREMENTS

- A. The contract drawings indicate the extent and general arrangements of the conduit wiring systems, etc. If any departures from the contract drawings are deemed necessary by the Contractor, details of such departures and the reasons therefore shall be submitted as soon as practicable, and within 10 days after award of the electrical contract.
- B. UNLESS MATERIAL LIST AND DATA IS RECEIVED AS A COMPLETE AND ALL INCLUSIVE SUBMITTAL WITHIN THE STIPULATED TIME ALL ITEMS SHALL BE PROVIDED AS SPECIFIED- WITH NO DEVIATIONS PERMITTED.
- C. Any and all additional costs incurred by the substitution of electrical material or equipment, or installation thereof, whether architectural, structural, plumbing, mechanical or electrical, shall be borne by the Contractor under this section.

- 1.12 - IDENTIFICATION
- A. Each branch circuit of panelboards to have a permanently fixed number with directory, mounted under celluloid on inside of cabinet door, showing circuit numbers, room number feed and typewritten description of equipment supplied by breakers.

PART 2 - PRODUCTS:

- 2.01 - GENERAL
- A. Materials shall be new, packed in original containers, installed and turned over to the Owner free of defects.
- B. Materials shall bear Underwriters' Laboratory label.
- C. Furnish equipment and materials for any one system by same manufacturer.

- 2.02 - MATERIALS
- A. Conduit:
1. Conduit shall be delivered to the site of construction in the original bundles. Each length shall bear the label of the National Board of Fire Underwriters. All conduit subjected to rough usage while on the job, before installation, shall be removed from the premises upon notice.
 2. Raceway and boxes located as indicated on drawings and at other locations required for splices, taps, wire pulling, equipment connections, and compliance with regulatory requirements. Raceway and boxes are shown in approximate locations unless dimensioned. Provide raceway to complete wiring system.
 3. Properties:
 - a. Rigid Steel: Hot dipped galvanized with completely watertight fittings.
 - Couplings and elbows in soil or under membrane to be 1/2 tape wrapped with Scotch #50 tape and threaded ends coated with red lead prior to installation of couplings
 - b. "Schedule 40" PVC shall be provided with code size minimum bare No. 12 ground wire
 - "Schedule 40 or 80" elbows
 - "Schedule 40 or 80" or RGS stub-ups.
 - c. Flexible metal type:
 - Flexible metal type provide with code size (minimum No. 12) bare ground wire in all flexible conduit.
 4. Installation:
 - a. Install no more than the equivalent of three 90 degree bends between boxes or outlets
 - b. Use flush mounting outlet boxes in finished areas.
 - Do not install flush mounting boxes back-to-back in walls.
 - Provide minimum 6-inch separation between adjacent boxes.
 - Provide minimum 24-inch separation in acoustic rated walls.
 - Secure flush mounting box to interior wall and partition studs.
 - Accurately position to allow for surface finish thickness.
 - Install flush mounting box without damaging wall insulation or reducing its effectiveness.
 - c. Support boxes independently of conduits.
 - d. Conduit Bends - Long Radius.
 - e. Provide conduit seals at all concrete slab penetrations.
 5. Installation Location:
 - a. Outdoor Locations:
 - Above Grade: Provide RGS conduit tape wrapped.
 - In Soil: Provide Sched 40 or 80 PVC with Sched 40 or 80 PVC elbows. Tape wrapped RGS may be used for stub-up.
 - In Concrete: Provide hot dipped galvanized rigid steel or Sched 40 PVC Conduit.
 - Motor / Flexible Connection: WP Flexible metal conduit.
 - Watertight and corrosion resistant fittings, couplings, boxes, etc.
 - b. Indoor Locations:
 - Exposed Dry Locations: Provide EMT or RGS.
 - Concealed Dry Locations: Provide electrical metallic tubing unless otherwise noted. MC cable may be used as described below under Power and Wiring
 - Locations subject to Corrosive Atmosphere: Provide PVC coated, galvanized rigid steel or intermediate steel conduit. Provide PVC coated cast or sheet metal boxes.
 - d. Hazardous Locations (Per NEC Article 500): Galvanized rigid steel conduit. Cast iron boxes with threaded hubs for conduit entry. Conduit seals.

- D. Power Wire and Cable:
1. Installation:
 - a. Connections to devices from "through feed" branch circuit conductors to be made with pigtails, with no interruption of the branch circuit conductors.
 - b. Neutral conductor identified by white outer covering braid, with different tracers of "EZ" numbering tags used where more than one neutral conductor is contained in a single unit.
 - c. Neatly arrange and "mantin" wired in panels and other equipment with "T and B Ty-rap" or approved equal plastic type strapping
 - d. Label each wire of each electrical system in each pull box, junction box, outlet box, terminal cabinet, and panelboard in which it appears with "EZ" numbering tags.
 2. Properties:
 - a. Copper 90% conductivity. Solid copper for conductors smaller than No. 10 AWG. Stranded copper for conductors No. 10 AWG and larger. No conductors smaller than No. 12 AWG, except as noted.
 - b. Insulation type: #12 to #10 AWG: THHN for wet locations and THHN for dry locations. #10 through #4/0 AWG: XHHW (55 Mils), 250MCM and larger: XHHW (65 Mils).
 - c. All wire and cable shall bear the Underwriters' LOML, brought to the job in unbroken packages; wire color coded as follows:

Voltage	Phasing	A Phase	B Phase	C Phase	Neutral
120/240	1p3w	Black	Red	-	White
120/208	3p 4w	Black	Red	Blue	White
208	3w	Black	Red	Blue	-

- E. Grounding:
1. Provide and install grounding system as noted on the Drawings.
 2. Provide and install a grounding electrode system on all separate buildings.
 3. Grounding electrode conductor: bare stranded copper type, #10 minimum or per NEC Table 250.66.
 4. Install ground wires in rigid conduit. Provide physical protection for grounding electrode and bonding conductors in accordance with NEC 250-64. Grounding conductors shall be in conduit and installed in accordance with NEC 250-24(a).
 5. All grounding electrode conductor connections "hermitite" or "cad_weld" welded.
 6. Use approved pressure type solderless connector or use fusion welding for all connections to and bonding of grounding electrode system. All connections shall be visible, readily accessible for testing purposes.
 7. Terminate grounding conduits at equipment with ground bushing, with ground wire connected through bushing.
 8. Provide No. 12 stranded (green) THHN conductor from outlet box to ground screw of every receptacle.
 9. Ground all isolated sections of metallic raceways.
 10. Provide #12 minimum stranded (green) THHN conductor sized per NEC, or as noted, connected continuously throughout branch circuit for all circuits, bonded to panel ground bus, and to all electrical devices and equipment enclosures.
 11. Provide an unspliced grounding electrode conductor to the grounding electrode system
 12. Where the transformer supplying the service is located outside the building, at least one additional grounding connection shall be made from the grounded service conductor to a grounded electrode at the transformer.
 13. After installation, test system, using the three-point fall of potential method only. Record results and

- submit to Architect for approval. If resistance to ground exceeds three (3) ohms, install additional ground rods, bonded and interconnected to grounding electrode system. Provide additional grounding until resistance is less than three (3) ohms.
14. Provide a bonding jumper to the building interior metal water piping, exposed interior structural steel, interior metal gas piping, and other interior metal piping in accordance with nec 250-68. establish the connections at accessible locations and provide bonding jumpers across removable or electrically non-continuous joints.
15. Connect grounding electrode system to metallic water service entry metallic cold water pipe (if available) with nonferrous clamp and 1-#4 B.C. in conduit, connection shall be accessible for inspection.
16. Connect grounding electrode system to building steel. Use exothermic weld, connection shall be accessible for inspection.
17. Grounding Electrode System shall be as follows:
 - a. The grounding electrode system shall consist of a ufer ground (if feasible), all available building metal structure, all available metal underground water piping, and ground rods (made electrodes) or ground ring (if ufer ground if not available, in existing building or if resistance needs to be lowered). bond the electrodes together in accordance with NEC 250-50.
 - Ufer Ground: Provide a concrete encased (ufer) grounding electrode per NEC 250-52(3) consisting of at least 30' of bare copper conductor min #1/0 awg (or sized per nec table 250.66) encased in concrete, conductor located 2-inch min from bottom. concrete foundation shall be in direct contact with the earth. This ufer ground shall be of the same size and continuous with the grounding electrode conductor as indicated. Embed in foundation with a loop at approximate center, brought out at top of foundation adjacent to building service equipment for connection to service equipment and for bonding to other parts of the grounding system.
 - Ground Ring: Provide a ground ring encircling the building per NEC 250-52(4) consisting of at least 40' of bare copper conductor min #4/0 awg. the ground ring shall be buried at a depth not less than 30 inches below the earth's surface.
 - Ground Rod: Furnish and install two "Copperweld" 3/4" x 10'-0" ground rods a minimum of 10'-0' apart. Install ground rods in accessible boxes with covers. Furnish and install 2-#4/0 bare copper cables between ground rods and main switchboard ground bus. Provide an additional ground rod if resistance of ground rod exceeds 25 ohms. Ground rod spaced a minimum of 6-feet apart in accordance with NEC 250-56.

- B. Conduit Fittings:
1. Metal Conduit Fittings shall conform to the requirements of UL 514B where this standard applies. Galvanized steel fittings shall be used with steel conduit. Threaded steel fittings shall engage a minimum of five threads made up wrench-tight and be compatible with conduit. EMT fittings shall be compression type, UL approved for rain tight applications and setscrew type with insulated throat for indoor applications.
 2. Liquid-Tight Flexible Conduit Fittings shall be galvanized steel, T&B 53XX series insulated throat, and shall bear the UL label. Die-cast malleable fittings are not acceptable.
 3. Liquid-Tight Flexible Metal Conduit Fittings shall be galvanized steel.
 4. Non-Metallic Conduit Fittings shall be of same material and strength characteristics as the conduit and shall be solvent welded as recommended by manufacturer. End bells shall be plastic, high impact, tapered to fit. Where conduit transition from non-metallic to metallic is required, provide non-metallic female "terminal" adapter. Non-metallic "male" adapters are not acceptable.
- C. Outlet Boxes and Junction Boxes:
1. Galvanized one piece steel knockout type, unless otherwise noted, sizes as required for conditions at each outlet or as noted, not smaller than 2 inches wide by 4 inches high, ganged where multiple switch locations are indicated.
 2. Outlet boxes located on exterior to be flush type with cast aluminum gasketed covers; spring lid with lockable covers for receptacles.
 3. All connectors from conduit to junction or outlet boxes shall have integral insulated throats.
 4. Outlet boxes for telephone and cable TV outlets shall be 4" square minimum with single gang plaster rings.
 5. Concrete pull boxes and hand holes for power, lighting, controls and telecommunications shall be pre-cast concrete boxes, sized as indicated on the drawing or per NEC requirements. Pull boxes shall be equipped with a concrete cover for non traffic rated locations OR cast-in frame, galvanized steel, adjustable, high impact traffic cover (H-20 load rated), lifting lugs, and conduit knock-outs. Knockout location and sizes shall be coordinated with the duct bank for each location. Cover shall be engraved with the words -
- "POWER", "LIGHTING", "CONTROLS", "COMM/DATA", "TELEPHONE" or similar as applicable.

- F. Circuit Breakers:
4. General: Circuit breakers shall be molded case rated for 240 volts, multiple or single pole and ampereage rating as shown on the drawings, built on, manually operated with "de-ion" arc chutes.
 5. Main circuit breaker shall be shall be rated to interrupt the available short circuit current from utility company requirements.
 6. Distribution circuit breakers shall be U.L. series rated with the main circuit breaker.
 7. Where mechanical equipment is U.L. listed for overcurrent protection with fuses or HACR type circuit breakers, provide fuses where a fused switch is shown. Where the overcurrent protection is a circuit breaker provide HACR, (HACR means Heating, Air-Conditioning and Refrigeration) type.
 8. Provide AFCI circuit breakers in all bedrooms.
 9. Provide tamper resistant receptacles for all 125V, 15 and 20A receptacles less than 5.5R AFF. Tamper resistance receptacles are not required where the receptacle is dedicated to a specific appliance.
 10. Provide GFCI rated circuit breakers in all locations within 6-feet of water.

- Q. Lighting Fixtures:
1. As listed in fixture schedule completely lamped with new lamps, properly operating at time of acceptance of electrical work.
 2. Contractor shall burn in lamps per manufacturer's instructions.
 3. Ballasts in refrigerated spaces or outdoors shall be zero (0) degree F. temperature rated.

PART 3 - EXECUTION

3.01 - INSPECTION

- A. Examine the areas and conditions under which the work of this Section will be installed. Correct conditions detrimental to the proper and timely completion of the Work. Do not proceed until unsatisfactory conditions have been corrected.

3.02 - PREPARATION

- A. Drawings
1. The general arrangement and location of wiring and equipment is shown on the electrical drawings and shall be installed in accordance therewith, except for minor changes required by conflict with the work of other trades.
 2. Control wiring is generally not shown on the plans. Contractor shall refer to control diagrams and provide and install all wiring and raceways required to make all interconnections.
 3. All dimensions, together with locations of doors, partitions, etc. are to be taken from the Architectural Drawings, verified at site by this Contractor.
 4. Maintain "as-constructed" Record Drawings at all times, showing the exact location of concealed conduits and feeders installed under this contract, and actual numbering of each circuit. Upon completion of work and before acceptance can be considered, this Contractor must forward to the Owner's Representative corrected Record Drawings in Autocad format indicating the electrical work as installed.

3.03 - FIELD QUALITY CONTROL

- A. All workmanship shall be first class and carried out in a manner satisfactory to and approved by the Architect.
- B. This Contractor shall personally, or through an authorized and competent representative, constantly

- supervise the work and so far as possible keep the same foreman and workmen on the job throughout.

3.04 - INSTALLATION/APPLICATION/ERECTION

- A. Cutting, repairing and structural reinforcing for the installation of this work shall be done by the General Contractor in conformance with the Architect's requirements.
- B. Provide and place in form work all conduit, inserts and sleeves in time to prevent any delay in the concrete work.

3.05 - ADJUSTING AND CLEANING

- A. Main switchboard, panelboards and all other electrical equipment not "finish painted" under other sections shall be touched up where finished surface is marred or damaged. Panelboards in finished areas shall be painted to match wall.
- B. All equipment, lighting fixtures, etc., shall be left in clean condition, with all shipping and otherwise unnecessary labels removed therefrom.
- C. Excavate and trench as necessary for the electrical installation, and when the work has been installed, inspected and approved, backfill all excavations with imported sandy soil in maximum 8" (eight inch) layers, moisten and machine tamp to 95% compaction, and restore the ground and/or paving or floor surfaces to their original condition. Comply with requirements of Division 2.

3.06 - SCHEDULES

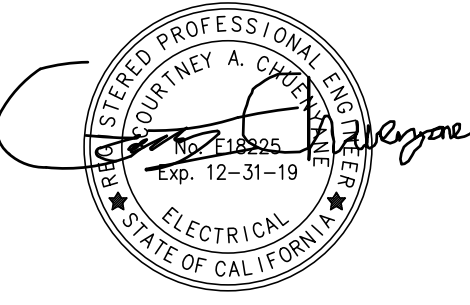
- A. Coordination: Coordinate installation of electrical items with the schedule for other work to prevent unnecessary delays in the total Work.

3.07 - TESTING

- A. Grounding System:
1. All ground connections shall be checked and the entire system shall be checked for continuity. The resistance of the ground system shall be measured using a 3 point fall of potential method. The maximum ground resistance shall be three ohms. If the measured ground resistance exceeds three ohms, additional ground rods shall be installed until a value of three ohms or less is obtained.
 2. Ground tests shall meet the requirements of the National Electric Code.
- B. Lighting Systems:
1. The interior and exterior lighting systems shall be checked for proper local controls and operation of entire installation, including the operation of the low voltage lighting control system.
- C. Power Distribution System:
1. Tests: Test main switchboard, distribution boards and panelboards for grounds and shorts with mains disconnected from feeders, branch circuits connected and circuit breakers closed, all fixtures in place and permanently connected and grounding jumper to neutral lifted and with all wall switches closed.
 2. Test each individual circuit at each panelboard with equipment connected for proper operation. Inspect the interior of each panel.
 3. Check verification of color coding, tagging, numbering, and splice make up.
 4. Verify that all conductors associated with each circuit are in same conduit.
 5. Demonstrate that all lights, jacks, switches, outlets, and equipment operate satisfactorily and as called for.

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

SEAL:



CONSULTANT:

BrokawDesign

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PROJECT:

CORONER'S
OFFICE
ACCESSIBILITY
IMPROVEMENTS

720 WOOD STREET
EUREKA, CA 95502

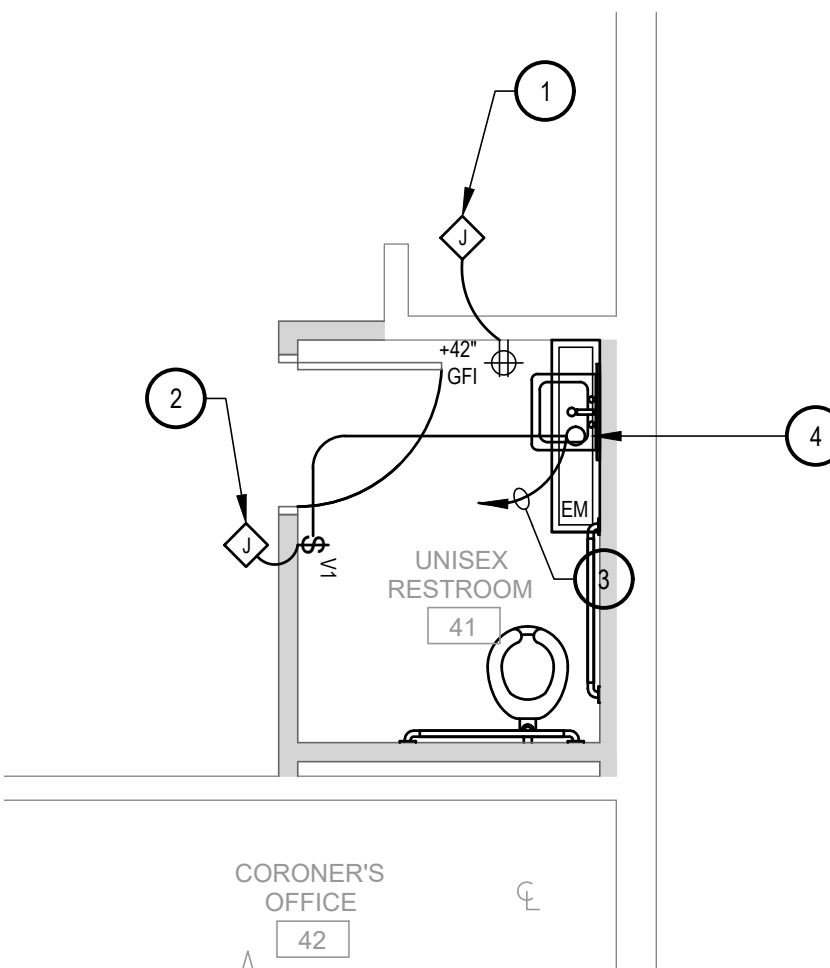
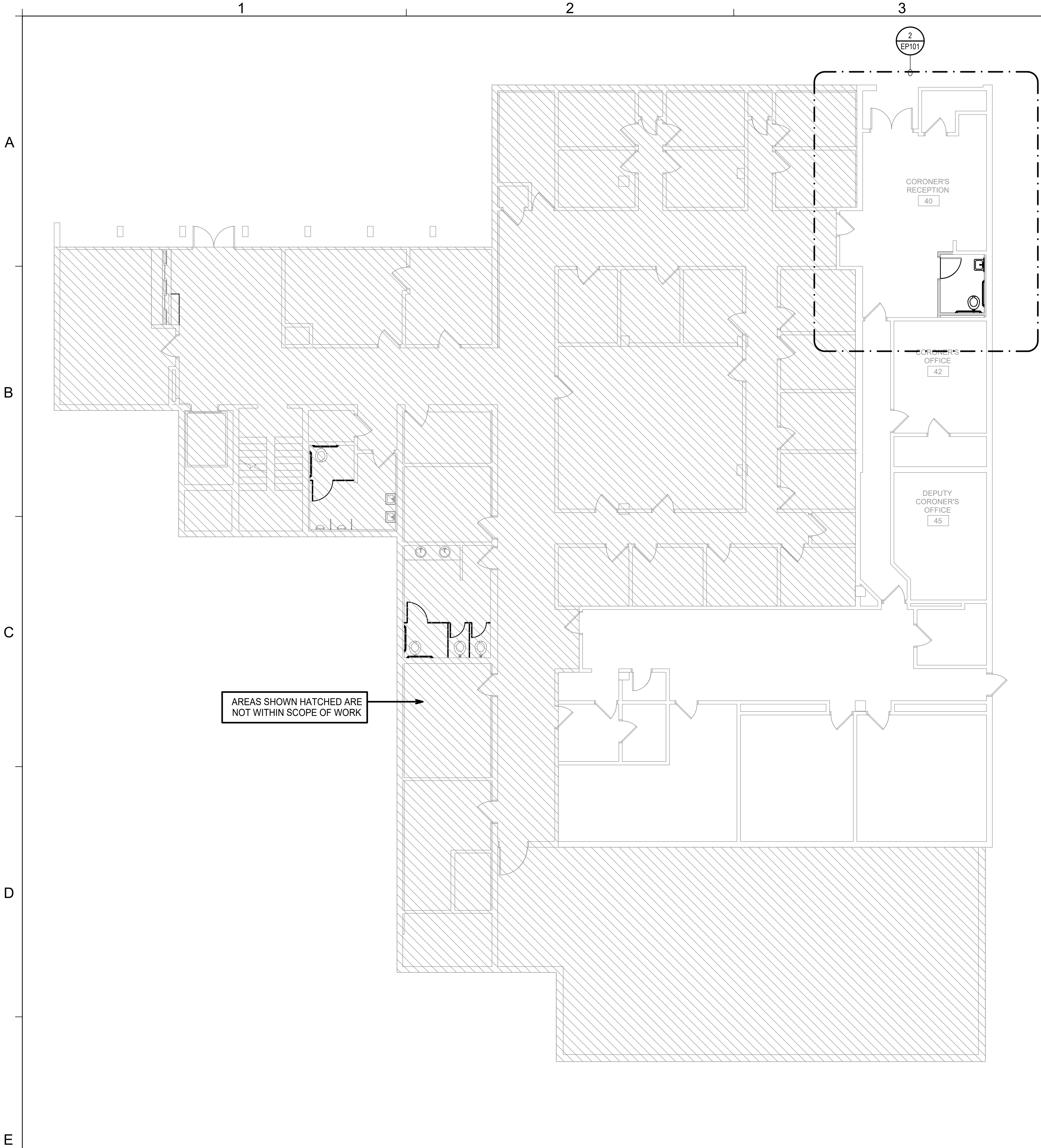
SHEET NAME:

ELECTRICAL
SHEET
SPECIFICATION

ISSUE DATE:	10-22-2018
PREPARATION AND REVIEW	
DRAWN BY:	MOB
DESIGNER:	MOB
PROJ MGR:	CLB
PEER REVIEW:	CAC

SHEET NUMBER:

E002



SHEET NOTES - LIGHTING

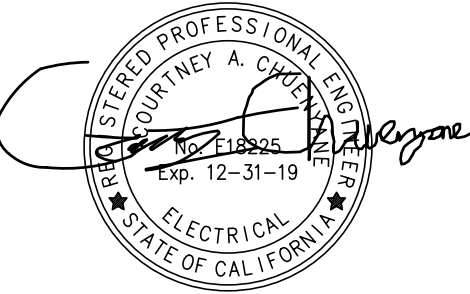
- A. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATED CEILING INFORMATION. MINOR ADJUSTMENTS IN LOCATION MAY BE REQUIRED BY THE CONTRACTOR AND PROVIDED AT NO ADDITIONAL COST TO THE OWNER AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- B. THE CONTRACTOR SHALL VERIFY THE CEILING TYPES IN ALL SPACES WITH THE ARCHITECTURAL DRAWINGS AND COORDINATE WITH THE LIGHT FIXTURES TO BE INSTALLED. THE FIXTURE SHALL BE PROVIDED WITH ALL NECESSARY HARDWARE, CLIPS, TRIM, ETC. FOR A COMPLETE AND "FINISHED" INSTALLATION.
- C. LUMINAIRES RECESSED INTO INSULATED CEILINGS SHALL BE RATED FOR INSULATION CONTACT ("IC-RATED").
- D. ALL LIGHTING CONSTRUCTION SHALL BE COORDINATED TO MAINTAIN WALL AND CEILING RATING INDICATED ON THE ARCHITECTURAL DOCUMENTS.
- E. ALL LOW VOLTAGE (0-50 volt) LIGHTING CONTROL WIRING SHALL BE INSTALLED IN CONDUIT.
- F. CENTER ALL EXIT SIGNS IN DOORWAYS WITH BOTTOM OF SIGN AT +2" ABOVE DOOR FRAME U.O.N.
- G. PROVIDE ALL NECESSARY BLOCKING AND REQUIRED METHODS OF ATTACHMENT TO MEET AHJ'S APPROVAL FOR MOUNTING OF ALL LIGHTING FIXTURES.
- H. PATCH AND REPAIR ALL WALLS DAMAGED DUE TO DEMO / NEW INSTALLATION. PAINT TO MATCH.
- I. PAINT ALL PANELS TO MATCH EXISTING WALLS.

KEYED NOTES - LIGHTING (X)

- 1. INTERCEPT (E) BRANCH RECEPTACLE CIRCUIT. EXTEND TO NEW RECEPTACLE. PROVIDE NEW OUTLET AND CONNECT COMPLETE.
- 2. INTERCEPT (E) BRANCH LIGHTING CIRCUIT. EXTEND TO NEW LIGHT FIXTURE VIA NEW OCCUPANCY SENSOR. CONNECT COMPLETE.
- 3. CONNECT EMERGENCY BALLAST TO AN UNSWITCHED LEG OF THE BRANCH CIRCUIT FEEDING THE LIGHT FIXTURE.
- 4. PROVIDE NEW ACRYLIC WRAPAROUND LIGHT FIXTURE WITH BATTERY BALLAST. LITHONIA CLXL48 3000LM SEF ROL WD MVOLT 3500K 80CRI E10WLCP.

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

SEAL:



CONSULTANT:

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PROJECT:

CORONER'S
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720 WOOD STREET
EUREKA, CA 95502

SHEET NAME:

ELECTRICAL
PLAN

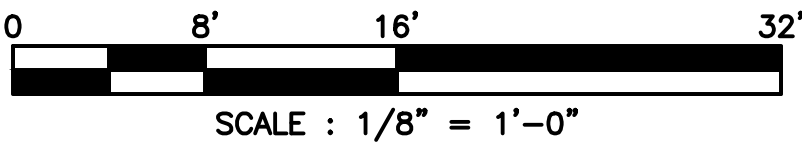
ISSUE DATE: 10-22-2018
PREPARATION AND REVIEW

DRAWN BY: MOB
DESIGNER: MOB
PROJ MGR: CLB
PEER REVIEW: CAC

SHEET NUMBER:

E101

1 ELECTRICAL PLAN
1/8"=1'-0"



2 PARTIAL PLAN - ELECTRICAL
1/4"=1'-0"

